

June 23, 2021

Edward Chu
Acting Regional Administrator
U.S. EPA, Region VII
11201 Renner Boulevard
Lenexa, KS 66219

Re: 2021 Annual Ongoing Data Requirements Report for SO₂

Dear Edward Chu:

The Missouri Department of Natural Resources' Air Pollution Control Program (air program) is submitting the state's stand-alone annual ongoing data requirements rule (DRR) report pursuant to the federal data requirements rule for the 2010 1-hour sulfur dioxide (SO₂) standard. The annual ongoing data requirements report is due to the U.S. Environmental Protection Agency (EPA) on July 1, 2021, to meet the reporting requirements in 40 CFR 51.1205 (b).

The 2021 report addresses six areas where modeling of actual SO₂ emissions served as the basis for designating the areas as attainment/unclassifiable in EPA's Federal Register notices on July 12, 2016, for Scott County, and on January 9, 2018, for the remaining five areas in the report. The air program recommends that no additional modeling is needed for all six attainment/unclassifiable areas based on the technical analysis in the attached ongoing report.

This year's report also includes a modeling analysis pursuant to 40 CFR 51.1205 (b)(2). The analysis supports a request to remove the area surrounding the Sikeston facility from future ongoing DRR reports. The modeling analysis is provided in Appendix A of the report, and follows the EPA's August 2016 Draft *SO₂ NAAQS Designations Modeling Technical Assistance Document*. The modeling results show that all receptors in the analysis are below 50 percent of the level of the 2010 SO₂ standard. Upon EPA approval, the air program will no longer include the area surrounding the Sikeston facility in future ongoing DRR reports.

As required in 40 CFR 51.1205, the air program is making this final stand-alone report available for public inspection and review on our website. The air program also accepted comments on a draft of the report from May 14, 2021 to June 15, 2021. The air program received comments from City Utilities of Springfield and made revisions in the report narrative based on those comments.



Edward Chu
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Thank you for your attention to this matter. If you have any questions regarding the report, please contact Mark Leath, with the Department's Air Pollution Control Program at P.O. Box 176, Jefferson City, MO 65102 or by phone at (573) 526-5503 or email at mark.leath@dnr.mo.gov.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Original signed by Emily Wilbur

Emily Wilbur
Chief, Air Quality Planning Section

EW: tgc

Enclosures:
2021 Annual Ongoing Data Requirements Report
Appendix A - Sikeston Power Station Model Documentation

c: William Stone – U.S. EPA, Region VII
File# 2021-SO2-DRR-1

2021 Annual Ongoing Data Requirements Report

**Data Requirements Rule for the 2010 1-Hour Sulfur Dioxide National
Ambient Air Quality Standard**



**Submittal Due Date
July 1, 2021**

**Missouri Department of Natural Resources
Division of Environmental Quality
Air Pollution Control Program
P.O. Box 176
1659 East Elm Street
Jefferson City, Missouri 65102
Telephone 573-751-4817**

Purpose and Background

The Missouri Department of Natural Resources' Air Pollution Control Program (Air Program) has prepared this report as the state's stand-alone annual ongoing data requirements report for the 2010 1-hour sulfur dioxide (SO₂) primary national ambient air quality standard (NAAQS). This report is intended to fulfill the annual reporting requirements of the federal SO₂ data requirements rule (DRR), 40 CFR Part 51 Subpart BB, "*Data Requirements Rule for Characterizing Air Quality for the Primary SO₂ NAAQS*". According to the rule, the Air Program must submit the annual ongoing data requirements report to the U.S. Environmental Protection Agency (EPA) on July 1 each year to meet the reporting requirements in 40 CFR 51.1205 (b):

“(b) Modeled areas. For any area where modeling of actual SO₂ emissions serve as the basis for designating such area as attainment for the 2010 SO₂ NAAQS, the air agency shall submit an annual report to the EPA Regional Administrator by July 1 of each year, either as a stand-alone document made available for public inspection, or as an appendix to its Annual Monitoring Network Plan (also due on July 1 each year under 40 CFR 58.10), that documents the annual SO₂ emissions of each applicable source in each such area and provides an assessment of the cause of any emissions increase from the previous year. The first report for each such area is due by July 1 of the calendar year after the effective date of the area's initial designation.

(1) The air agency shall include in such report a recommendation regarding whether additional modeling is needed to characterize air quality in any area to determine whether the area meets or does not meet the 2010 SO₂ NAAQS. The EPA Regional Administrator will consider the emissions report and air agency recommendation, and may require that the air agency conduct updated air quality modeling for the area and submit it to the EPA within 12 months.”

On July 12, 2016¹, EPA designated Scott County, Missouri as attainment/unclassifiable for the 2010 SO₂ standard based on EPA's technical assessment of the Air Program's submittals regarding the air quality surrounding the Sikeston Power Station and the rest of Scott County. The Air Program's analysis was based on modeling of actual SO₂ emissions (initially based on 2012-2014 data, updated using 2013-2015 data) from sources in and around Scott County. Further, EPA designated Jasper, Henry, Greene and Randolph Counties, as well as a portion of St. Louis County as attainment/unclassifiable for the 2010 SO₂ standard in 2018². The 2018 designations for these five additional areas were also based on modeling analyses the Air Program performed utilizing actual SO₂ emissions. Therefore, these six modeled areas are subject to the ongoing verification requirements under 40 CFR 51.1205 (b).

The Air Program submitted the first annual report for the Scott County modeled area to EPA in 2017. The report the Air Program submitted in 2019 was the first report that included the

¹ See 81 FR 45039, July 12, 2016. Two other areas in Missouri were designated as unclassifiable at the same time; however, the annual ongoing report requirements of 40 CFR 51.1205 (b) do not apply to unclassifiable areas.

² 83 FR 1098, January 9, 2018

additional five areas in Missouri that EPA designated attainment based on air dispersion modeling of actual emissions. This 2021 report is the fifth annual report the Air Program has developed and includes an assessment of all six modeled areas in the state.

Updated Modeling Analysis for the Sikeston Power Station

As part of this annual report, the Air Program is also providing an updated modeling analysis for the area surrounding the Sikeston Power Station. This modeling analysis is detailed in Appendix A to this report. The modeling shows that the maximum modeled 3-year SO₂ design values surrounding this facility are below 50 percent of the level of the 2010 SO₂ standard. The modeling was conducted using 2017-2019 emissions data. Per 40 CFR 51.1205(b)(2),

(2) An air agency will no longer be subject to the requirements of this paragraph (b) for a particular area if it provides air quality modeling demonstrating that air quality values at all receptors in the analysis are no greater than 50 percent of the 1-hour SO₂ NAAQS, and such demonstration is approved by the EPA Regional Administrator.

2020 Annual Emissions

Per 40 CFR 51.1205 (b), the Air Program is required to document the annual SO₂ emissions of all modeled DRR sources. Table 1 lists the six modeled DRR sources in Missouri and details their respective annual actual SO₂ emissions in 2020. The Air Program acquired emission data from EPA's Clean Air Markets Division (CAMD) database, which is based on Continuous Emissions Monitoring System (CEMS) data measured in compliance with 40 CFR Part 75.

Table 1 – 2020 Actual Annual SO₂ Emissions for Missouri's Modeled DRR Sources

DRR Facility Name	County Name	DRR Facility FIPs	2020 SO ₂ Emissions (tons)
Meramec	St. Louis	(189-0010)	284
Asbury	Jasper	(097-0001)	0
Montrose	Henry	(083-0001)	0
Sikeston	Scott	(201-0017)	4,266
John Twitty City Utilities	Greene	(077-0039)	1,967
Thomas Hill	Randolph	(175-0001)	13,702

Comparison of 2020 Emissions to Previous Year

Per 40 CFR 51.1205 (b), the Air Program is required to provide an assessment of the cause of any emissions increase from the previous year for all modeled DRR sources. Table 2 provides the 2019 and 2020 actual annual SO₂ emissions for the six modeled DRR sources along with the difference in annual emissions between the two years. As seen in the table, emissions increased from 2019 to 2020 at two of the six sources. These two facilities include Sikeston (facility FIPS 201-0017), and John Twitty City Utilities (facility FIPS 077-0039). These increases are highlighted in the last column of Table 2. For the other four facilities, actual SO₂ emissions were reduced or equal to the prior year.

Table 2 – 2019 and 2020 Emissions Comparison for Missouri’s Modeled DRR Sources

DRR Facility Name	2019 SO ₂ Emissions (tons)	2020 SO ₂ Emissions (tons)	2019-2020 Comparison*
Meramec	1,395	284	-1,111
Asbury	798	0	-798
Montrose	0	0	0
Sikeston	3,668	4,266	598
John Twitty City Utilities	1,558	1,967	409
Thomas Hill	16,697	13,702	-2,995

*A positive value in the last column indicates an increase in emissions from 2019 to 2020; a negative value indicates a decrease in emissions from 2019 to 2020.

Assessment of Annual Emission Increases from 2019 to 2020

As stated above, the Air Program must provide an assessment of the cause of any emissions increase from the previous year for the modeled DRR sources. As shown in Table 2 above, annual SO₂ emissions increased at the Sikeston and John Twitty City Utilities facilities from 2019 to 2020. To provide this required assessment, the Air Program evaluated the cause of the annual emissions increases at these two facilities.

These two facilities are coal-fired power plants that provide electricity to the grid for sale to their customers. Year-to-year emission fluctuations at these types of facilities are common due to utilization rates as power generators operate to follow electricity demand, which varies every year. Additionally, in some years, units come down for weeks or months for routine maintenance, which can also add variability to the emissions in any given year. To determine whether this year-to-year variability in electricity production at these two facilities was the cause of the emissions increases, the Air Program obtained the annual operating hours and gross load produced by the units at these facilities in 2019 and 2020 from EPA’s CAMD database. Table 3 provides this information for each unit at these two facilities along with the facility totals for these figures. The following sections provide the Air Program’s assessment of the cause of the emissions increases at these two facilities from 2019 to 2020.

Table 3 - Operating Hours/Gross Load for 2019-2020 Sikeston and John Twitty City Utilities

Facility Name	Year	Unit ID	Operating Time (hours)	Operating Time (facility combined – hours)	Gross Load (MW-h)	Gross Load (facility combined – MW-h)
Sikeston	2019	1	7,889	7,899	1,769,708	1,769,708
	2020	1	7,877	7,877	1,782,953	1,782,953
John Twitty City Utilities	2019	1	3,317	10,917	431,782	1,950,164
		2	7,600		1,518,382	
	2020	1	3,977	9,724	574,294	1,757,188
		2	5,747		1,182,894	

Sikeston – Assessment of 2019 to 2020 Annual Emissions Increase

From 2019 to 2020, the actual annual SO₂ emissions from this facility increased by 16 percent. This resulted in a total increase of 598 tons of SO₂ emissions over the previous year. The analysis in Table 3 shows that the operating hours in 2020 were slightly lower than in 2019. The gross load produced by the facility was higher in 2020, but not significantly.

The Air Program contacted Sikeston to inquire about the likely cause of the emissions increase. Following an investigation by the facility, two factors appear to have contributed to the increase in emissions for 2020. The facility operated in lower, less efficient, load bins for many more hours in 2020 than they did in 2019. In addition, following a Relative Accuracy Test Audit (RATA), the facility recalibrated their flow monitor resulting in slightly higher flow rates being recorded and reported in the second half of the year. The combination of these two factors appear to have contributed to the higher emissions in 2020 when compared to 2019.

Despite emission levels at Sikeston increasing from 2019 to 2020, the Air Program notes that the emission levels in 2020 are very similar to the emission levels at the facility in 2017 and 2018. Therefore, the 2019 emission year appears to be more anomalous than 2020 at the facility. Therefore, the inclusion of the 2017 and 2018 emissions in the updated modeling analysis for the Sikeston facility provides confidence that SO₂ concentrations remain well below 50 percent of the 2010 SO₂ standard.

John Twitty City Utilities – Assessment of 2019 to 2020 Annual Emissions Increase

From 2019 to 2020, the actual annual SO₂ emissions from this facility increased by 26 percent. This corresponds to an increase of 409 tons of SO₂ emissions between the two years. As seen in Table 3, the gross load produced by the facility in 2019 was higher than in 2020. This means the emissions increase cannot be attributed to year-to-year variability in electricity production at the facility.

Further investigation revealed that the increase in SO₂ emissions despite not having increased total generation or operating time is the result of a higher portion of generation coming from Unit 1, and a lower portion coming from Unit 2. Unit 1 at this plant is not equipped with an SO₂ scrubber, whereas the plant operates a scrubber to control SO₂ emissions at Unit 2. As seen in Table 3, the operating time and gross load at Unit 1 increased by 20 percent and 33 percent, respectively, from 2019 to 2020. Conversely, operating time and gross load at Unit 2 decreased by 24 percent and 22 percent, respectively, from 2019 to 2020. The shift in generation is due to normal operation and scheduled maintenance. The units operate independently from each other and see normal utilization changes year to year as required by the Integrated Market and the Regional Transmission Organization - Southwest Power Pool.

Recommendations Regarding Updated Modeling

In addition to the assessment of the annual SO₂ emissions fluctuations for each modeled DRR source, 40 CFR 51.1205 (b)(1) requires the Air Program to provide a recommendation in this annual report as to whether updated modeling is needed to characterize air quality in the areas

surrounding all modeled DRR sources to determine whether the areas continue to meet the 2010 SO₂ standard. Based on the information and assessment set forth below, the Air Program recommends no updated dispersion modeling analysis is needed for any of Missouri's modeled DRR sources. However, as discussed previously in this report, the Air Program has conducted and is submitting updated dispersion modeling for the Sikeston facility to demonstrate that the facility meets the requirements for an exemption from future ongoing DRR reports.

In determining the appropriate recommendation regarding the need for any updated dispersion modeling analysis, the appropriate assessment should compare emission characteristics in the most recent year with the emission characteristics that were modeled for the DRR sources to inform their initial attainment designations. Factors for consideration in such a comparison may include total annual emissions, the level of the modeled design value from the initial modeling analysis, other relevant facility-specific information, and where appropriate, hourly emission profiles or daily maximum 1-hour emission rates.

The Air Program's assessment to determine the appropriate recommendation regarding the need for updated modeling first evaluates the average annual emission totals that were modeled for the six DRR sources. The Air Program then compared these values against the actual annual emissions from 2020 for the same sources. In the modeling used to inform the initial designations, the modeled emissions from Missouri's six modeled DRR sources demonstrated compliance with the 2010 SO₂ standard. Therefore, if actual emissions in the most recent year are lower than the modeled emissions, it is reasonable to assume any updated modeling analysis utilizing the lower emission levels from the more recent year would also demonstrate compliance with the standard.

Table 4 shows the average annual modeled emissions, the modeled design values, and the modeled emission years used to inform the initial attainment designations for the six modeled DRR sources. The table also provides the 2020 actual emissions for these six facilities and a comparison of the 2020 emissions to the average annual modeled emissions. For all six of Missouri's modeled DRR sources the 2020 actual emissions are less than the average annual modeled emissions used to inform the initial attainment designation (either 2012-2014 or 2013-2015, as applicable). Therefore, any additional modeling for the six sources where emissions in 2020 were less than the modeled emissions would likely result in lower maximum-modeled design values than those listed in Table 4. This supports a recommendation for no updated modeling at these six sources.

Table 4 – Modeled Design Values and Comparison of Modeled Emissions to 2020 Actual Emissions for Missouri’s Modeled DRR Sources

DRR Facility Name	Maximum Modeled Design Value (ppb)	Years of Modeled Emissions Data	Average Annual Modeled SO ₂ Emissions (tons)	2020 Actual SO ₂ Emissions (tons)	Comparison - Modeled Emissions vs. 2019 Emissions (tons)*
Meramec	52.98 [^]	2013-2015 [^]	5,541 [^]	284	-5,257
Asbury	67.5	2012-2014	6,695	0	-6,695
Montrose	49.1	2013-2015	7,203	0	-7,203
Sikeston	35.7	2013-2015	5,802	4,266	-1,536
City Utilities John Twitty	42.9	2013-2015	2,759	1,967	-792
Thomas Hill	52.1	2013-2015	16,582	13,702	-2,880

* A positive value in the last column indicates the 2019 emissions were higher than the average annual modeled emissions; a negative value indicates 2019 emissions were lower than the average annual modeled emissions.

[^] The 2013-2015 average annual modeled emissions at Meramec in this table only include the average actual emissions from Units 3 and 4 during these three years. The 2013-2015 modeling performed for designations for the Meramec facility utilized 2013-2015 actual emissions from Units 3 and 4 and natural gas combustion in Units 1 and 2. An enforceable permit condition required exclusive use of natural gas in Units 1 and 2, effective starting in 2016.

The following discussions include facility-specific details considered in developing the Air Program’s recommendations regarding the need for additional modeling for all six of Missouri’s modeled DRR sources.

Sikeston, Scott County - FIPS (201-0017)

For this facility, the 2020 annual SO₂ emissions were 1,536 tons/year less than the average annual modeled emissions from 2013-2015. Since annual emissions in 2020 were lower than the emissions used in the modeling analysis that demonstrated attainment, any updated modeling using the emissions from the year 2020 is expected to result in even lower modeled SO₂ concentrations that would also demonstrate continued attainment in the area surrounding this source. This facility has consistently remained below its model emission levels every year since these reports began. As seen in Table 4, the maximum modeled design value using 2013-2015 emissions was 35.7 ppb. This is already below the 2010 SO₂ standard of 75 ppb (47.6 percent). Thus the facility already qualified for the exemption from this annual report. However, the department has conducted additional modeling to support a formal request to remove this site from the list of sources subject to the annual ongoing reporting requirements. This additional modeling information is included in Appendix A for this report. In the updated modeling analysis utilizing 2017-2019 emissions and meteorology, the maximum modeled SO₂ design value is 24.2 ppb, which represents 32.3 percent of the 2010 SO₂ standard. The Air Program requests that EPA approve the updated modeling demonstration and grant an exemption for Sikeston from the annual ongoing reporting requirements in 40 CFR 51.1205(b).

Asbury, Jasper County - FIPS (097-0001)

For this facility, the 2020 annual SO₂ emissions were 6,695 tons/year less than the average annual modeled emissions from 2012-2014. The Air Program notes the facility has not operated in 2020 and the facility officially retired on March 31, 2020. Therefore, no SO₂ emissions are expected from this facility going forward. The Air Program recommends no additional modeling for the area surrounding the Asbury facility.

Montrose, Henry County - FIPS 083-0001

This facility had no SO₂ emissions in 2020. All three units at the facility are now retired. Unit 1 retired in April 2016, while Units 2 and 3 retired in December 2018. Going forward, no SO₂ emissions are expected from this facility. Therefore, the Air Program recommends no additional modeling for the area surrounding the Montrose facility.

Meramec, St. Louis County - FIPS 189-0010

For this facility, annual SO₂ emissions in 2020 were 5,257 tons/year less than the average annual modeled emissions from 2013-2015. This is a decrease of 95 percent between current actual emissions and the emissions the Air Program modeled to inform the original attainment designation. Since annual emissions in 2019 were significantly lower than the emissions used in the modeling analysis that demonstrated attainment, any updated modeling is expected to result in even lower modeled SO₂ concentrations that would also demonstrate continued attainment in the area surrounding this source. Therefore, the Air Program recommends no additional modeling for the area surrounding the Meramec facility.

City Utilities John Twitty, Greene County - FIPS 077-0039

For this facility, the actual annual SO₂ emissions from this facility were 792 tons/year less than the average annual modeled emissions from 2013-2015. This is 29 percent lower than the average annual modeled emissions. Even though the emissions were higher in 2020 than in 2019 they were still significantly below the emissions used to create the modeling analysis. Any updated modeling using these new yearly values would also likely demonstrate continued attainment in the area surrounding this source. Therefore, the Air Program recommends no additional modeling for the area surrounding the John Twitty facility.

Thomas Hill, Randolph County - FIPS 175 0001

For this facility, annual SO₂ emissions in 2020 were 2,880 tons/year less than the average annual modeled emissions from 2013-2015. This is a decrease of 17 percent between current actual emissions and the emissions the Air Program modeled to inform the original attainment designation. Therefore, any additional modeling is expected to similarly demonstrate continued attainment in the area surrounding this source. The Air Program recommends no additional modeling for the area surrounding the Thomas Hill facility.

Public Inspection and Review

As required in 40 CFR 51.1205, the Air Program will make the final stand-alone report available for public inspection and review on our public website. The final report will also be available for review at the Missouri Department of Natural Resources, Air Pollution Control Program, 1659 Elm St., Jefferson City, (573) 751-4817.

The Air Program is also making this proposed version of the report available for public review and comment prior to finalizing it, specifically –

- Notice of the availability of the proposed stand-alone ongoing data requirements report was posted on the program website by May 14, 2021.
- The Air Program opened a 30-day public comment period for the proposed report on May 14, 2021 after posting it on the website. The public comment period closed on June 15, 2021.
- After posting the proposed report, the Air Program sent an email announcement to notify the public of the availability of the report and the corresponding public inspection and comment period. Email recipients included all individuals who have signed up to receive email updates for Air Program public notices.

Conclusion

This report fulfills the Air Program's obligation to submit an annual ongoing data requirements report for Missouri's modeled DRR sources. The report includes an evaluation of the most current year of emissions data at the modeled sources, an assessment of the cause of any SO₂ emission increases at these sources from the previous year and the Air Program's recommendations regarding the need for additional modeling to evaluate the continued attainment status for the areas surrounding these sources. The Air Program recommends that no additional modeling is needed for any of the modeled DRR sources. However, the Air Program has conducted an updated modeling analysis for the Sikeston facility to justify a request to remove it from the list of areas required for inclusion in future iterations of this report.

The updated modeling analysis is provided in Appendix A to this report. The analysis shows that all receptors in the area surrounding the plant have modeled design values below 50 percent of the 2010 SO₂ standard of 75 parts per billion. Following EPA approval, this analysis satisfies the requirements in 40 CFR 51.1205 (b)(2), to exempt Sikeston from future ongoing reports. The highest modeled 3-year design value from 2017-2019 for any receptor in the analysis is 24.2 ppb, which is 32.3 percent of the standard. Based on this modeling analysis, the Air Program requests EPA to approve Sikeston for this exemption. Following EPA approval of this request, the Sikeston facility will no longer be included in future annual ongoing data requirements reports.

1. Purpose:

The Missouri Department of Natural Resources' Air Pollution Control Program (Air Program) is submitting this modeling analysis to the United States Environmental Protection Agency (EPA) for Sikeston Power Station (Sikeston) in Scott County pursuant to 40 CFR 51.1205 (b)(2). According to 40 CFR 51.1205 (b)(2), the Air Program will no longer be subjected to the requirements of paragraph (b) for Sikeston if it provides air quality modeling demonstrating that the air quality values at all receptors in the modeling analysis are no greater than 50 percent of the 2010 SO₂ standard. In this modeling analysis, the Air Program demonstrated that all the receptors around Sikeston are below 50 percent of the level of the 2010 SO₂ standard. Based on the modeling analysis contained in this report, the highest modeled 3-year design value from 2017-2019 for any receptor in the analysis is 24.2 parts per billion (ppb). This equates to 32.3 percent of the 2010 SO₂ standard. Therefore, the Air Program requests EPA approval to remove Sikeston from the requirement to be included in future ongoing attainment verification reports required by 40 CFR 51.1205(b).

2. Background:

On June 22, 2010, EPA established a new 1-hour SO₂ standard of 75 parts per billion (ppb) or 196.5 micrograms per cubic meter (µg/m³). Following the promulgation of any new or revised National Ambient Air Quality Standard (NAAQS), EPA designates all areas in the country. The designation options are attainment (areas meeting the standard), nonattainment (areas not meeting the standard or nearby and contributing to an area not meeting the standard), or unclassifiable (areas where EPA is unable to determine whether the area is meeting or not meeting the standard).

Under the 2010 SO₂ standard, EPA's boundary designations process included four separate rounds. The second designation round focused on areas that contain either a violating monitor or a stationary source that according to the EPA's Air Market Database emitted 16,000 tons of SO₂ in 2012, or emitted 2,600 tons of SO₂ and had an average emission rate of at least 0.45 lbs. SO₂/MMBtu in 2012.

Under the second round of designations, on July 12, 2016, EPA designated Scott County, Missouri as attainment/unclassifiable for the 2010 SO₂ standard. The designation was based on EPA's technical assessment of the Air Program's submittals regarding the air quality surrounding Sikeston. The Air Program's analysis was based on modeling of actual SO₂ emissions (initially based on 2012-2014 data, updated using 2013-2015 data) from sources in and around Scott County.

Therefore, the area surrounding Sikeston is currently subject to the ongoing attainment verification requirements under 40 CFR 51.1205 (b). According to 40 CFR 51.1205 (b), for any area where modeling of actual SO₂ emissions serve as the basis for designating such area as the air agency shall submit an annual report to the EPA Regional Administrator by July 1 of each year, either as a stand-alone document made available for public inspection, or as an appendix to its Annual Monitoring Network Plan to verify the continued attainment of such areas where modeling of actual emissions informed the attainment designation. The Air Program submitted the first such report, which included the Sikeston facility, in 2017, and has continued submitting these reports each year since then.

In this modeling analysis report, the Air Program is seeking to forgo the annual report for Sikeston. This is based on a modeling analysis demonstrating that the modeled concentrations for all receptors around

Sikeston are below 50 percent of the 2010 SO₂ standard. This procedure for removing facilities from the ongoing reporting requirements is established under 40 CFR 51.1205 (b)(2). This provision states that an air agency will no longer be subjected to the requirements of paragraph (b) for a particular area if it provides an air quality modeling demonstrating that air quality values at all receptors in the analysis are no greater than 50 percent of the 2010 SO₂ standard, and such demonstration is approved by the EPA Regional Administrator.

The modeling analysis within this document reflects 3-year design values, based on actual emissions, in the area surrounding Sikeston from 2017 to 2019. The analysis demonstrates that the concentrations at all receptors are below 50 percent of the 2010 SO₂ standard. The modeling analysis is consistent with the EPA's August 2016 Draft "SO₂ NAAQS Designations Modeling Technical Assistance Document (TAD)"¹. This document details the modeling process the Air Program used and the results support a determination that Sikeston qualifies for removal from the ongoing reporting requirements in 40 CFR 51.1205(b).

SO₂ emissions from the Sikeston Power Plant have decreased since the original modeling analysis to inform the attainment designation. In the previous modeling exercise (2013-2015), the average facility emissions rate was 5,802 tons per year. In this current exercise (2017-2019), the average facility emissions rate is 4,138 tons. This shows a decrease in average emissions of 1,664 tons of SO₂ when comparing the two modeled periods. The Air Program notes that during the year 2020, emissions for the facility were 4,266 tons per year, which was an increase over emissions in 2019. However, this value is still within three percent of the average annual emissions rate for the current modeled period (2017 - 2019).

3. Model Selection:

The Air Program performed the air dispersion modeling analysis using the American Meteorological Society (AMS) and EPA's Regulatory Air Dispersion Model (AERMOD) to determine the SO₂ concentrations surrounding Sikeston that are comparable to the 2010 SO₂ standard. AERMOD is the preferred model for determining pollutant impacts from industrial source complexes where emissions are released from a variety of source types. The Air Program used the most recent version (19091) of the AERMOD dispersion model as well as the pre-processors to perform the air quality analyses necessary to make this demonstration.

The regulatory default options within the modeling system were set through the use of the MODELOPT keyword contained within the control pathway of the air quality model. These default options include terrain elevation data and stack-tip downwash calculations. The Air Program determined urban/rural site characteristics for the modeled area to account for differences in boundary layer concentrations and to employ the 4-hour half-life option for urban SO₂ sources. The Air Program considered both land-use and population density procedures to determine the Scott County Area is primarily rural in character, rather than urban. Therefore, the Air Program used rural dispersion coefficients in this modeling analysis.

4. Meteorological Data:

The Air Program selected the meteorological data from the Cape Girardeau Airport Weather Station based upon the spatial and temporal characteristics of the area. This included consideration of the proximity of the collection site to the area of interest, the complexity of the terrain in the area surrounding

¹ See <https://www.epa.gov/sites/production/files/2016-06/documents/so2modelingtad.pdf>
File# 2021-SO2-DRR-1

Appendix A - SO₂ Annual Ongoing Data Requirements Report Sikeston Power Station Model Documentation

the weather station, the exposure of the meteorological sensor, and temporal variations in the local climate.

Met data was processed using AERMET (version 19191) and invoking the ADJ_U* option within AERMET, the meteorological data pre-processor for the AERMOD modeling system. AERMET extracts and processes meteorological data in order to calculate the boundary layer parameters that are necessary for the calculation of pollutant concentrations within the atmosphere. The meteorological data included 1-minute Automated Surface Observing System (ASOS) wind data. The Air Program obtained the 1-minute ASOS data from the National Climatic Data Center in the TD-6405 data format that includes the 2-minute average wind speed and direction for each minute within an hour. The use of 1-minute ASOS data more accurately depicts the average hourly wind flow than single instantaneous readings of wind speed and direction as used in other air quality modeling analyses. It is important to note that the Bowen ratio characteristics obtained from AERSURFACE (version 20060) and applied in Stage 3 AERMET processing are determined based upon the precipitation totals from the meteorological record for the time period being processed. For example, if the meteorological period reported above-average precipitation totals for 2017, the Bowen ratio values for wet surface moisture are chosen for Stage 3 processing in AERMET for 2017.

The discussion below provides comparisons of surface characteristics and proximity to the modeling area boundary resulting from various meteorological datasets the Air Program considered using in the modeling analysis. For upper air data, the Springfield upper air station is closest to the Sikeston Power Plant area at 338 km and best represents the vertical atmospheric characteristics of the region. For surface data, the Cape Girardeau (39 km), Poplar Bluff (64 km), and Farmington (122 km) airports are the closest to the plant.

- Cape Girardeau: The surface roughness values compare favorably between Sikeston and this airport. Because the land cover characteristics are very similar, with 90% row crop/10% pasture at Cape Girardeau, and 66% row crop and 8% pasture at Sikeston, the surface roughness values within 1 km of each site is very similar (4-56% different by season). The 1992 Land Cover Data identifies 11% of the land cover near Sikeston as water. Changes at the facility shown in more recent satellite images indicate that the amount of water cover near the facility has dropped significantly since 1992, especially in the Southeast quadrant. Current land cover in this quadrant is low grasses, which compares favorably with Cape Girardeau. The albedos agree within 5%. The Bowen ratios differ by 3-30% across all seasons.
- Poplar Bluff: The surface roughness values compare favorably between Poplar Bluff and Sikeston. Land cover is 51% row crops, 9% pasture, and 16% low intensity residential for Poplar Bluff, compared to 66% row crop and 8% pasture for Sikeston. Surface roughness values differ by 40-98% between these locations by season. The albedos agree within 1%. The Bowen ratios differ by 6-22% across the seasons.
- Farmington: The surface roughness values differ by 12-72% across all seasons between Farmington and Sikeston. The land cover categories are similar, with planted or grass cover at 75% for Farmington and 77% for Sikeston (includes pasture, row crop and recreational grasses). By individual land type, Farmington only has 14% row crop compared to 66% for Sikeston, accounting for most of the difference in winter and spring surface roughness. Albedo values agree within 7%. Bowen ratios are within 29% for all seasons and precipitation schemes.

The next closest airport within 200 km (St. Louis Downtown, 193km) offers no improvement to the comparison of combined surface roughness, albedo, or Bowen ratios than the three closest surface

weather stations. The strong similarity in land cover between Cape Girardeau and Sikeston, along with similar albedo and Bowen ratios, make the closest NWS meteorological station at Cape Girardeau the most representative surface weather station. Therefore, the Air Program utilized the surface weather data from the Cape Girardeau Airport in this updated modeling analysis.

5. Building Downwash:

The Air Program calculated building downwash effects for the area using the latest version (04274) of the Building Profile Input Program (BPIP) with plume rise model enhancements (PRIME). The information needed to execute BPIP PRIME included the heights and locations of structures, which may contribute to building downwash, and the stack locations in relation to these structures. Based upon the facility configuration, BPIP determines if wake effects from surrounding structures are affecting the emissions from a stack. If structure wake effects are evident, flags are set to indicate the stacks affected by building wake zones. Once BPIP determines a structure is influencing a stack, it calculates the modeling inputs for building heights and widths necessary for the dispersion model to simulate the building downwash effects in the area. The Air Program has provided building downwash parameters in the modeling analysis for the Sikeston Power Plant.

6. Good Engineering Practice Stack Height:

Good engineering practice (GEP) stack height refers to the height at which emission releases from isolated stacks or vents will not cause excessive ground level concentrations in the immediate vicinity of a source due to building downwash effects, or complex terrain. Section 123 of the Clean Air Act (CAA) limits the modeling stack height to GEP when performing air quality analyses for State Implementation Plans (SIPs) or permitting purposes. However, EPA's 2016 Modeling TAD states that actual stack heights should be used in modeling analyses to support boundary designations or clean data determinations under the 2010 SO₂ standard, because those types of modeling analyses are intended to represent actual air quality levels that air quality monitors would measure if located in the area. Therefore, the Air Program modeled all stacks at their actual stack height in this analysis.

7. Background Concentration:

According to EPA's SO₂ NAAQS Designations Modeling TAD, air quality modeling must consider background concentrations when determining compliance with the 2010 SO₂ standard. The background concentration comes from sources not explicitly modeled along with any unidentified sources.

The methodology of determining the background concentration in this document is based on the SO₂ designations modeling TAD. The Air Program used monitoring data from Mark Twain State Park in Missouri to establish the regional background concentration for the area. The design value for the 2017-2019 period from the Mark Twain monitor is 4 parts per billions (ppb) or 10.46 microgram per cubic meters (µg/m³). The Air Program added this background to the model-predicted concentrations to account for natural sources and sources not explicitly included in the modeling inventory.

Due to the inclusion of all permitted SO₂ sources emitting above 1 tpy within 20 km of the area, the use of any background concentration in this analysis is likely double-counting emission contributions from many of the explicitly modeled sources. Therefore, this conservative analysis, provides strong support and assurance that the receptor concentrations around Sikeston fall below 50 percent of the 2010 SO₂ standard.

8. *Emission Sources:*

The Air Program evaluated emissions sources surrounding Sikeston to determine an interactive source inventory for the dispersion modeling analysis. Figure 1 displays a map of Scott, New Madrid, Stoddard, Mississippi, and Cape Girardeau Counties along with all permitted SO₂ sources within 50 km of Sikeston that were evaluated for inclusion in the modeling inventory. The Air Program decided to explicitly model any source within 20 km of Sikeston that emitted more than 1 tons of SO₂ in any of the three years evaluated, and any source outside 20 km but within 50 km that emitted more than 10 tons per year. There are no permitted sources that emitted more than 1 ton per year that are within 20 km of the Sikeston facility. However, there are four sources the Air Program identified located outside 20 km from Sikeston but within 50 km that emitted more than 10 tons per year of SO₂ in at least one of the three years evaluated. These sources include Magnitude 7 Metals, AECI New Madrid power station, Q.C. Corporation, and Buzzi Unicem Cape Girardeau. The Air Program explicitly modeled each of these four sources as interactive sources in this modeling analysis.

Table 1 lists all sources included on the map along with their 2013-2015 actual emissions, which were the emission years included in the previous modeling analysis. Table 2 lists all sources included on the map along with their 2017-2019 actual emissions, which reflects the emissions used in this updated modeling analysis. As seen in the tables, emissions from all interactive sources evaluated have either remained flat or decreased when comparing the previous modeling analysis with this updated analysis.

The Air program also notes that two of the modeled interactive sources, Magnitude 7 Metals and AECI New Madrid, are included in a newly designated nonattainment area in New Madrid County. EPA designated this nonattainment area as part of the fourth and final round of designations for the 2010 SO₂ standard.²

² See https://www.epa.gov/sites/production/files/2020-12/documents/05-mo-rd4_final_so2_designations_tsd.pdf
File# 2021-SO₂-DRR-1

Figure 1 – Sikeston Power Station with Nearby Sources Considered for Inclusion in the Modeling Analysis

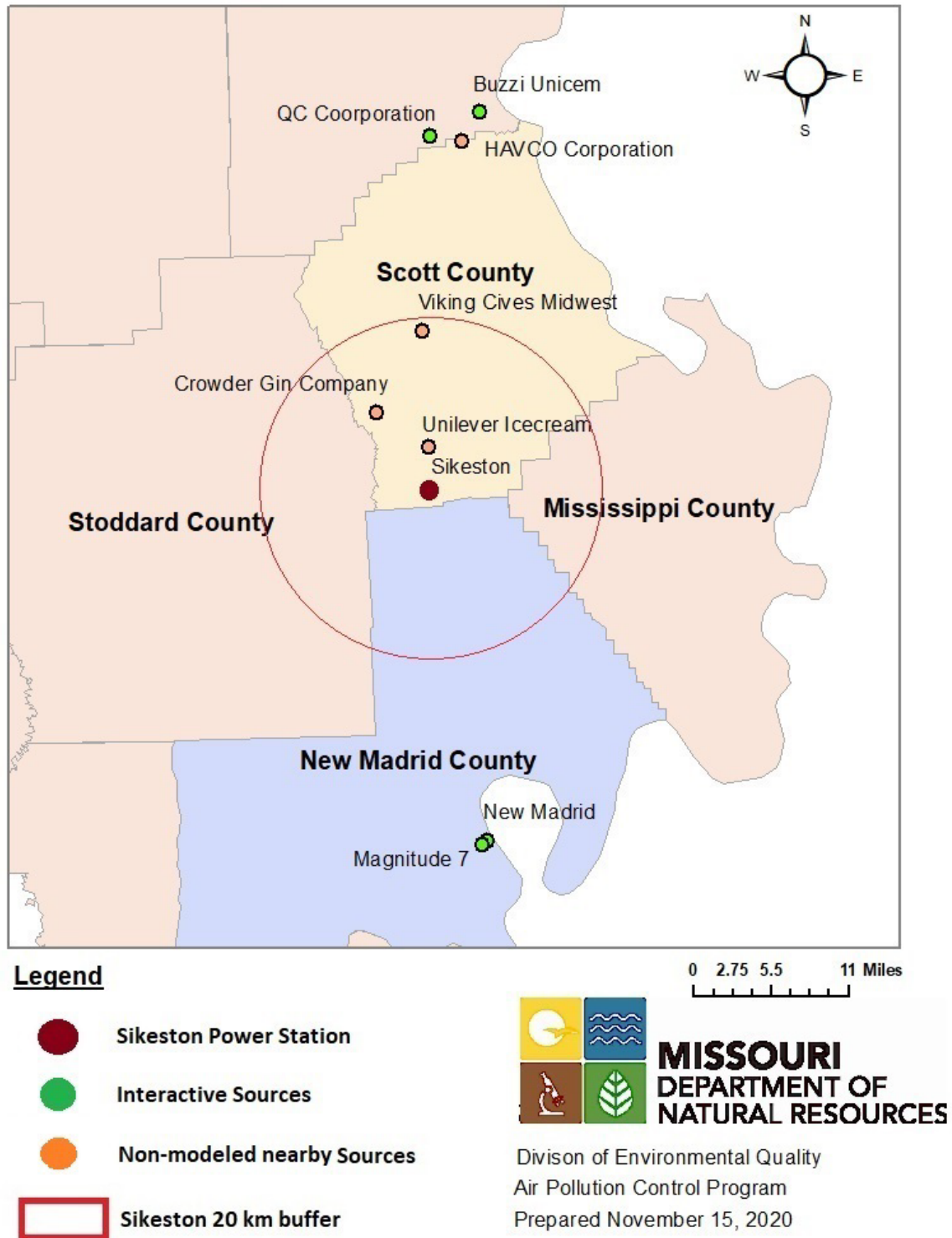


Table 1 – Sikeston Power Station and Nearby Source 2013-2015 SO_x Emissions

Source Name	2013 SO _x Emissions (TPY)	2014 SO _x Emissions (TPY)	2015 SO _x Emissions (TPY)
Sikeston Power Station	5,967	6,651	4,789
Unilever Ice Cream	0.04	0.04	0.04
Viking-Cives – Midwest Inc.	0.0006	0.0006	0.0006
Crowder Gin Company Inc.	0.0002	0.0002	0.0002
Havco Wood Products Inc.	3.54	4.28	4.43
Q.C. Corporation	29.71	29.71	29.71
Buzzi Unicem Cape Girardeau	654.59	556.81	596.78
Magnitude 7 Metals (formerly Noranda Aluminum)	5,062	5,323	5,153
AECI New Madrid Plant	16,822	16,672	12,375

Table 2 – Sikeston Power Station and Nearby Source 2017-2019 SO₂ Emissions

Source Name	2017 SO ₂ Emissions (TPY)	2018 SO ₂ Emissions (TPY)	2019 SO ₂ Emissions (TPY)
Sikeston Power Station *	4,488	4,260	3,668
Unilever Ice Cream	0.04	0	Not reported
Viking-Cives – Midwest Inc.	0	0	0
Crowder Gin Company Inc.	0.0001	0.0001	0.0001
Havco Wood Products Inc.	4.35	4.14	4.32
Q.C. Corporation *	29.60	20.20	20.20
Buzzi Unicem Cape Girardeau *	558.44	152.77	233.52
Magnitude 7 Metals * (formerly Noranda Aluminum)	0	1,772.02	3,706.01
AECI New Madrid Plant *	13,548	14,865	13,252

* Sources were explicitly modeled in this latest modeling analysis

8.1 Evaluation of Sources to Model:

All sources included on the map in Figure 1 were evaluated for possible inclusion in the modeling inventory. The following bullets describe each of the sources listed in Table 2 along with a discussion about how the Air Program characterized each source in the modeling analysis:

- Sikeston Power Station (201-0017) – This is the facility of interest in this analysis; therefore, the Air Program modeled it in the analysis. Sikeston includes one coal-fired boiler that generates electricity that is supplied to the grid. The Sikeston Board of Municipal Utilities owns the facility. The Air Program used actual SO₂ emissions data from the continuous emission monitoring system (CEMS) located at this facility. The modeled years include the most recent three years (2017 – 2019). The use of CEMS data in the model for this facility allows the model to act as a surrogate for monitoring data, which EPA guidance deems appropriate for designations, Clean data determination, or other analyses intended to evaluate actual air quality levels surrounding a source. EPA has indicated the use of hourly variable stack release parameters are preferable for use in actual conditions modeling when available. Therefore, the Air Program utilized hourly variable release information in the model as provided by the facility.
- Unilever Ice Cream (201-0118) – This source is located within 20 km of Sikeston. This source is an ice cream and frozen desserts manufacturing plant with total SO₂ emissions less than 0.1 ton per year. This source primarily burns natural gas or propane. This source was not included in the modeling inventory and is accounted for with the regional background concentration.
- Viking Cives – Midwest Inc. (201-0095) – This source is located within 20 km of Sikeston. This source is a truck and bus body manufacturing plant with total SO₂ emissions less than 0.1 ton per year. This source primarily burns natural gas or propane. This source was not included in the modeling inventory and is accounted for with the regional background concentration.
- Crowder Gin Company Inc. (201-0073) – This source is located within 20 km of Sikeston. This source is a cotton ginning plant with total SO₂ emissions less than 0.1 ton per year. This source primarily burns natural gas or propane. This source was not included in the modeling inventory and is accounted for with the regional background concentration.
- Havco Wood Products Inc. (201-0021) – This source is located within 50 km of Sikeston with SO₂ emissions less than 5 tons per year. This source is a manufacturer of floor products. This source was not included in the modeling inventory and is accounted for with the regional background concentration.
- Q.C. Corporation (031-0060) – This source is located within 50 km of Sikeston with emissions greater than 10 tons per year; therefore, it was included in the evaluation. This source is a chemical manufacturing plant with total SO₂ emissions less than 30 tons per year. This source is located 40 km away from Sikeston. There are two SO₂ emitting units at this facility; both are monohydrate exhaust stacks. Emissions were obtained from the Missouri Emissions Inventory System (MOEIS). These two units were modeled at average reported SO₂ emissions for the 3 year period. This 12-month emission total for each emission point was divided by 8,760 hours (the number of operating hours during this 12-month period) to determine the average hourly emission rate for the facility during normal operations.

Appendix A - SO₂ Annual Ongoing Data Requirements Report
Sikeston Power Station Model Documentation

- Buzzi Unicem Cape Girardeau (031-0021) – This source is located within 50 km of Sikeston with emissions greater than 10 tons per year; therefore, it was included in the evaluation. This source is a lime kiln operation with total SO₂ emissions greater than 500 tons per year. This source is located 44 km away from Sikeston. There is one major SO₂ emitting unit at this facility; a preheater/precalciner kiln with stack release. Emissions for this facility were obtained from MOEIS. This unit was included in the interactive inventory. The Air Program modeled this facility at a constant emission rate equal to their 2017 emissions, which was the highest annual emissions rate of the three years evaluated. The 2017 annual emission total for each emission point was divided by 8,760 hours (the number of operating hours during this 12-month period) to determine the average hourly emission rate for the facility during normal operations.
- Magnitude 7 Metals (formerly Noranda Aluminum)(143-0008) – This source is located within 50 km of Sikeston with emissions greater than 10 tons per year. Therefore, it was included in the evaluation. This source is an aluminum production facility with total SO₂ emissions greater than 500 tons per year. This source was included in the interactive inventory. The modeled emissions from Magnitude 7 Metals are based on an average continuous emission rate based on the facility's first reported rolling 12-month emissions total covering the period of September 2018 through August 2019. This 12-month emission total for each emission point was divided by 8,760 hours (the number of operating hours during this 12-month period) to determine the average hourly emission rate for the facility during normal operations. These fixed hourly emission rates were then input into AERMOD for the three modeling years 2017-2019. The Air Program also included fugitive emissions from Carbon Bake 2, Carbon Bake 3 and the Pot line's fluoride scrubbers. These emissions match that of the best performing modeling scenario for the facility that were included in a modeling performance evaluation the Air Program conducted and submitted to EPA as part of the New Madrid County SO₂ area designation's 120-day letter³. The Air Program assumed that half of a percent of emissions from the Pot line are emitted through the pot line fluoride scrubber. In addition, quarter of a percent of emissions from the two carbon bakes are emitted from the each of the fluoride scrubbers for the carbon bakes. Using these fixed emissions for the three year period in this modeling analysis is a conservative approach as the facility was not operating during all of 2017 or the first half of 2018.
- AECI New Madrid Plant (143-0004) – This source is located within 50 km of Sikeston with emissions greater than 10 tons per year; therefore, it was included in the evaluation. This source is an electric generating facility with total SO₂ emissions greater than 500 tons per year. This source is located 40 km away from Sikeston. There are two coal-fired boilers located at this facility with stack releases. These units were included in the interactive inventory and modeled at actual SO₂ emissions for 2017-2019 using the CEMS emissions data and hourly varying stack temperatures and velocity.

Tables 3a through 3e detail the emission release parameters used for the single boiler at Sikeston, the two boilers at the AECI New Madrid Power Plant, all emission points Magnitude 7 Metals, and the modeled emissions points at Buzzi Unicem and QC Corporation.

Table 4 shows an excerpt from the hourly combined emissions file, which contains hourly emissions for the main Sikeston boiler and the two boilers at AECI New Madrid Power Plant. The hourly combined emissions file contains Clean Air Markets Division data for the New Madrid facility and the Sikeston facility.

³ https://dnr.mo.gov/env/apcp/docs/2020-10-16-response-to-sulfur-dioxide-round-4-epa-120-day-letter_000.pdf
File# 2021-SO₂-DRR-1

Table 3a – Sikeston Power Station Emission Release Parameters

Facility I.D.	Facility Name		Site Name	Emission Point I.D.	Model ID	Description	Release Type
201-0017	City of Sikeston		Sikeston Power Station	1	stack1	Boiler #1	POINT
Easting <i>Meters</i>	Northing <i>Meters</i>	Base Elevation <i>Meters</i>	Actual Stack Height <i>Meters</i>	Stack Temperature <i>Kelvin (From MoEIS)</i>	Stack Exit Velocity <i>Meters/Second (From MoEIS)</i>		Stack Diameter <i>Meters</i>
801211.2	4086783.6	91.7	137.2	Used hourly temperatures in lieu of static values (see Table 3)	Used hourly velocity values in lieu of static values (see Table 3)		4.572

Table 3b – Magnitude 7 Metals Emission Release Parameters

Facility I.D.	Facility Name		Site Name	Emission Point I.D.	Model ID	Description	Release Type
143-0008	Magnitude 7 Metals		Magnitude 7 Metals	Several Sources*	varies	varies	Point, area, volume
Easting <i>Meters</i>	Northing <i>Meters</i>	Base Elevation <i>Meters</i>	Actual Stack Height <i>Meters</i>	Stack Temperature <i>Kelvin (From MoEIS)</i>	Stack Exit Velocity <i>Meters/Second (From MoEIS)</i>		Stack Diameter <i>Meters</i>
varies	varies	varies	varies	varies	varies		varies

* Over 40 emission sources modeled for this facility in the analysis. See model input files for additional details.

Table 3c – AECI New Madrid Emission Release Parameters

Facility I.D.	Facility Name		Site Name	Emission Point I.D.	Model ID	Description	Release Type
143-0004	AECI New Madrid Plant		New Madrid Power Plant	New Madrid 1	NM1	Boiler	Point Sources
				New Madrid 2	NM2	Boiler	Point Sources
Easting <i>Meters</i>	Northing <i>Meters</i>	Base Elevation <i>Meters</i>	Actual Stack Height <i>Meters</i>	Stack Temperature <i>Kelvin (From MoEIS)</i>	Stack Exit Velocity <i>Meters/Second (From MoEIS)</i>		Stack Diameter <i>Meters</i>
807907.8	4046555.5	91.03	243.84	Used hourly temperatures in lieu of statics values	Used hourly velocity values in lieu of static values		6.01
807908	4046555.5	91.03	243.84	Used hourly temperatures in lieu of statics values	Used hourly velocity values in lieu of static values		6.01

Table 3d – Buzzi Unicem Emission Release Parameters

Facility I.D.	County		Site Name	Emission Point I.D.	Model ID	Description	Release Type
031-0021	Cape Girardeau		Buzzi Corporation	1	Buzzi	Stack 1	Point
Easting <i>Meters</i>	Northing <i>Meters</i>	Base Elevation <i>Meters</i>	Actual Stack Height <i>Meters</i>	Stack Temperature <i>Kelvin (From MoEIS)</i>	Stack Exit Velocity <i>Meters/Second (From MoEIS)</i>		Stack Diameter <i>Meters</i>
806905.65	4130209	106.35	30	366.48	1.63		0.91

Table 3e – Q&C Corporation Emission Release Parameters

Facility I.D.	Facility Name		Site Name	Emission Point I.D.	Model ID	Description	Release Type
031-0060	QC Corporation		QC	QCEP 5	EP5	Stack	Point
				QCEP 6	EP6	Stack	Point
Easting <i>Meters</i>	Northing <i>Meters</i>	Base Elevation <i>Meters</i>	Actual Stack Height <i>Meters</i>	Stack Temperature <i>Kelvin (From MoEIS)</i>	Stack Exit Velocity <i>Meters/Second (From MoEIS)</i>		Stack Diameter <i>Meters</i>
801316.67	4127297	102	7.62	443	12.8		0.76
801416.67	4127297	102	7.62	443	10.03		0.76

Table 4 – Excerpt from 2017-2019 Combined Hourly CEMS Emission File for Sikeston Power Station and AECI New Madrid Power Plant.

	Year	Month	Day	Hour	Unit ID	SO ₂ ER (g/s)	Temp (K)	Velocity (m/s)
SO HOUREMIS	18	1	1	0	stack1	130.221	396.594	16.945
SO HOUREMIS	18	1	1	0	NM1	252.353	432.657	28.225
SO HOUREMIS	18	1	1	0	NM2	314.408	432.415	28.417
SO HOUREMIS	18	1	1	1	stack1	131.632	396.094	16.956
SO HOUREMIS	18	1	1	1	NM1	249.43	433.369	28.209
SO HOUREMIS	18	1	1	1	NM2	315.995	433.384	28.624
SO HOUREMIS	18	1	1	2	stack1	132.829	396.428	16.949
SO HOUREMIS	18	1	1	2	NM1	256.019	433.667	28.352
SO HOUREMIS	18	1	1	2	NM2	313.828	433.737	28.451
SO HOUREMIS	18	1	1	3	stack1	132.161	393.372	17.015
SO HOUREMIS	18	1	1	3	NM1	263.315	434.039	28.522
SO HOUREMIS	18	1	1	3	NM2	314.471	433.878	28.519

9. Modeling Domain and Receptor Grid:

The Air Program centered the modeling domain in this analysis on the stack of Sikeston. The modeling domain includes a receptor grid and all sources evaluated. The receptor grid included in this modeling analysis is a fine resolution grid that adequately identifies the area of maximum impact from fugitive and point source releases. The receptor grid encompasses the full extent of any elevated hourly SO₂ concentrations surrounding Sikeston during the analysis years. Specifically, the Air Program placed receptors at 50-meter intervals along the perimeter of the facility and progressively distanced them in a four-tier arrangement distribution growing in distance as they move away from the Sikeston stack as follows:

- Four-Tier receptor grid description:
 - From stack to 1 km: 100 m spacing
 - From 1 km to 3.5 km: 250 m spacing
 - From 3.5km to 10km: 500 m spacing
 - From 10km to (See below) km: 1000 m spacing (Last tier extended to cover a maximum horizontal or vertical distance of 20 km from the Sikeston stack)

10. Terrain Elevations:

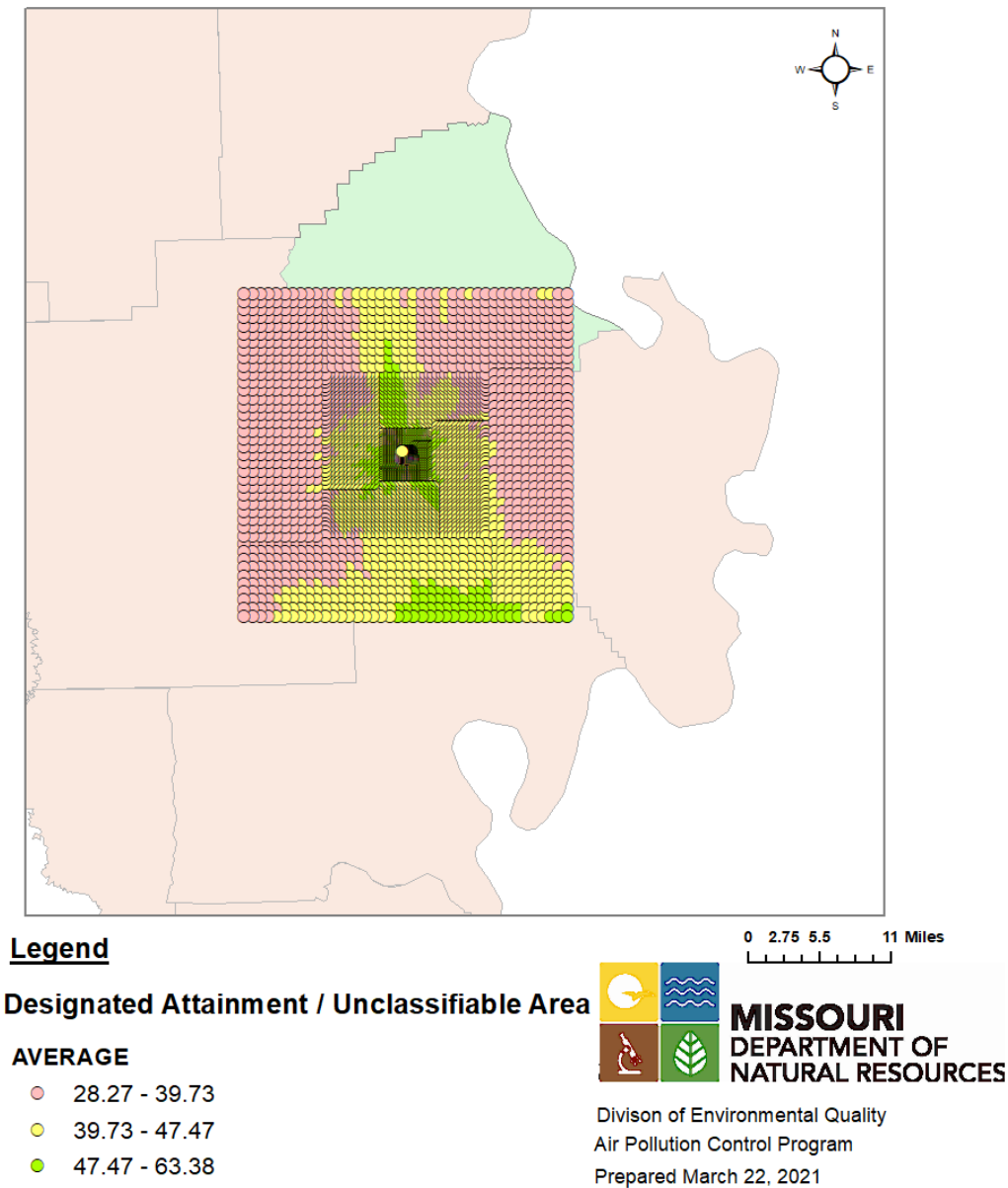
In addition to assigning receptor locations, the receptor options within the AERMOD system allow the user to input information regarding the terrain surrounding the facility. AERMOD is capable of calculating air pollutant concentrations in terrain classified as simple, flat, complex or mountainous land. In order to calculate concentrations in complex or mountainous terrain situations, AERMOD must have information about the surrounding terrain and its features. To aid in the definition of the terrain features, EPA developed a pre-processor, AERMAP (version 18081) to search terrain data for base elevations and features that may influence the dispersion of pollutants within the modeling domain.

AERMAP assigns outstanding features an elevation referred to as the hill height scale; a value that users must include in the AERMOD input file. The Air Program processed National Elevation Data (NED) in the GeoTIFF format from the United States Geological Survey Seamless Data Server through the AERMAP program in order to obtain the base elevation for each receptor and source within the modeling domain. In addition, the Air Program extracted the hill height scale for each receptor as required by the AERMOD system in order to determine terrain influences within the modeling domain. The Air Program converted all source, receptor and terrain elevation data to UTM Zone 15 in the NAD83 geodetic datum.

11. Modeling Results:

Figure 2, provides a graphic of the 3-year design value concentrations surrounding Sikeston for 2017-2019. The maximum modeled 3-year SO₂ design value concentration for the area was 63.38 µg/m³ or 24.2 ppb. This maximum modeled value is located 3.6 kilometers north of the Sikeston Plant. This equates to 32.3 percent of the level of the 2010 SO₂ standard. Therefore, the analysis meets the requirements in 40 CFR 51.1205(b)(2) of being below 50 percent of the level of the standard. This supports removal of Sikeston from the obligation of the ongoing attainment verification requirements in 40 CFR 51.1205(b). Excerpts from the AERMOD input and output data are included in attachment 1. The Air Program will provide an electronic version of the modeling files associated with this analysis available to the public upon request during the public comment period for Missouri's 2021 Annual Ongoing SO₂ Data Requirements Rule Report.

**Figure 2 – Sikeston Area of Analysis Modeled SO₂ Concentrations –
(2017-2019 Emissions) (all values in µg/m³)**



12. Conclusion:

Based on this modeling exercise, the Air Program requests EPA approval to remove Sikeston from the ongoing annual SO₂ emissions verification requirements pursuant to 40 CFR 51.1205 (b)(2).

AERMOD Input File (with receptor grid removed due to its size)

```
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 9.9.0
** Lakes Environmental Software Inc.
** Date: 3/18/2021
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE Sikeston and surroundings 2017-2019 - MDNR Analysis
  TITLETWO SO2 NAAQS
  MODELOPT DEFAULT CONC
  AVERTIME 1
  POLLUTID SO2
  RUNORNOT RUN
  ERRORFIL "Aermod Ejemplo 11.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION EP61      POINT      807987.800 4046002.360   90.250
  LOCATION EP98      POINT      807987.890 4046305.850   90.180
** DESCRSRC Not Active - 64 Pipes
  LOCATION EPAA      POINT      808006.300 4046277.630   90.160
  LOCATION EP991     POINTCAP   807982.953 4046223.205   90.130
** DESCRSRC 0.153253803 ->48 stacks , 0.114940352 -> 64 stacks
  LOCATION EP992     POINTCAP   807983.404 4046223.205   90.130
  LOCATION EP993     POINTCAP   807983.855 4046223.205   90.120
  LOCATION EP994     POINTCAP   807984.306 4046223.205   90.120
  LOCATION EP995     POINTCAP   807987.953 4046223.205   90.080
  LOCATION EP996     POINTCAP   807988.404 4046223.205   90.080
  LOCATION EP997     POINTCAP   807988.855 4046223.205   90.070
  LOCATION EP998     POINTCAP   807989.306 4046223.205   90.070
  LOCATION EP999     POINTCAP   807992.953 4046223.205   90.060
  LOCATION EP9910    POINTCAP   807993.404 4046223.205   90.060
  LOCATION EP9911    POINTCAP   807993.855 4046223.205   90.060
  LOCATION EP9912    POINTCAP   807994.306 4046223.205   90.060
  LOCATION EP9913    POINTCAP   807997.953 4046223.205   90.060
  LOCATION EP9914    POINTCAP   807998.404 4046223.205   90.060
  LOCATION EP9915    POINTCAP   807998.855 4046223.205   90.060
  LOCATION EP9916    POINTCAP   807999.306 4046223.205   90.060
  LOCATION EP9917    POINTCAP   807982.953 4046226.120   90.110
  LOCATION EP9918    POINTCAP   807983.404 4046226.120   90.110
  LOCATION EP9919    POINTCAP   807983.855 4046226.120   90.110
  LOCATION EP9920    POINTCAP   807984.306 4046226.120   90.100
  LOCATION EP9921    POINTCAP   807987.953 4046226.120   90.070
  LOCATION EP9922    POINTCAP   807988.404 4046226.120   90.070
  LOCATION EP9923    POINTCAP   807988.855 4046226.120   90.060
  LOCATION EP9924    POINTCAP   807989.306 4046226.120   90.060
  LOCATION EP9925    POINTCAP   807992.953 4046226.120   90.050
  LOCATION EP9926    POINTCAP   807993.404 4046226.120   90.050
  LOCATION EP9927    POINTCAP   807993.855 4046226.120   90.050
  LOCATION EP9928    POINTCAP   807994.306 4046226.120   90.050
  LOCATION EP9929    POINTCAP   807997.953 4046226.120   90.040
```

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

LOCATION EP9930	POINTCAP	807998.404	4046226.120	90.040		
LOCATION EP9931	POINTCAP	807998.855	4046226.120	90.040		
LOCATION EP9932	POINTCAP	807999.306	4046226.120	90.040		
LOCATION EP9933	POINTCAP	807982.953	4046229.034	90.100		
LOCATION EP9934	POINTCAP	807983.404	4046229.034	90.090		
LOCATION EP9935	POINTCAP	807983.855	4046229.034	90.090		
LOCATION EP9936	POINTCAP	807984.306	4046229.034	90.090		
LOCATION EP9937	POINTCAP	807987.953	4046229.034	90.060		
LOCATION EP9938	POINTCAP	807988.404	4046229.034	90.060		
LOCATION EP9939	POINTCAP	807988.855	4046229.034	90.060		
LOCATION EP9940	POINTCAP	807989.306	4046229.034	90.050		
LOCATION EP9941	POINTCAP	807992.953	4046229.034	90.040		
LOCATION EP9942	POINTCAP	807993.404	4046229.034	90.040		
LOCATION EP9943	POINTCAP	807993.855	4046229.034	90.040		
LOCATION EP9944	POINTCAP	807994.306	4046229.034	90.040		
LOCATION EP9945	POINTCAP	807997.953	4046229.034	90.030		
LOCATION EP9946	POINTCAP	807998.404	4046229.034	90.030		
LOCATION EP9947	POINTCAP	807998.855	4046229.034	90.030		
LOCATION EP9948	POINTCAP	807999.306	4046229.034	90.030		
LOCATION EP9949	POINTCAP	807982.953	4046231.949	90.090		
LOCATION EP9950	POINTCAP	807983.404	4046231.949	90.090		
LOCATION EP9951	POINTCAP	807983.855	4046231.949	90.090		
LOCATION EP9952	POINTCAP	807984.306	4046231.949	90.080		
LOCATION EP9953	POINTCAP	807987.953	4046231.949	90.070		
LOCATION EP9954	POINTCAP	807988.404	4046231.949	90.060		
LOCATION EP9955	POINTCAP	807988.855	4046231.949	90.060		
LOCATION EP9956	POINTCAP	807989.306	4046231.949	90.060		
LOCATION EP9957	POINTCAP	807992.953	4046231.949	90.050		
LOCATION EP9958	POINTCAP	807993.404	4046231.949	90.040		
LOCATION EP9959	POINTCAP	807993.855	4046231.949	90.040		
LOCATION EP9960	POINTCAP	807994.306	4046231.949	90.040		
LOCATION EP9961	POINTCAP	807997.953	4046231.949	90.030		
LOCATION EP9962	POINTCAP	807998.404	4046231.949	90.030		
LOCATION EP9963	POINTCAP	807998.855	4046231.949	90.030		
LOCATION EP9964	POINTCAP	807999.306	4046231.949	90.030		
LOCATION VOL611	VOLUME	808004.701	4045962.550	90.160		
LOCATION VOL612	VOLUME	808011.816	4046042.179	90.370		
LOCATION VOL99	VOLUME	807990.882	4046229.773	90.040		
LOCATION VOLAA	VOLUME	808014.702	4046230.738	90.100		
LOCATION STACK1	POINT	801210.410	4086783.000	91.780		
** DESCRSRC Sikeston						
LOCATION NM2	POINT	807907.820	4046558.540	89.980		
** DESCRSRC NewMadrid2						
LOCATION NM1	POINT	807907.820	4046555.540	90.010		
** DESCRSRC NewMadrid1						
LOCATION BUZZI	POINT	806905.650	4130209.000	106.350		
** DESCRSRC Buzzi						
LOCATION QCEP5	POINT	801316.670	4127297.000	102.110		
** DESCRSRC QC Corporation EP5						
LOCATION QCEP6	POINT	801320.670	4127297.390	102.120		
** DESCRSRC QC Corporation EP6						
LOCATION BLINE2B	BUOYLINE	807393.998	4045915.173	807897.284	4045938.140	90.220
** DESCRSRC EP-60						
LOCATION BLINE2A	BUOYLINE	807392.535	4045954.310	807897.772	4045978.840	90.370
** DESCRSRC EP-60						
LOCATION BLINE1B	BUOYLINE	807391.072	4045995.448	807898.260	4046019.878	90.390
** DESCRSRC EP-59						
LOCATION BLINE1A	BUOYLINE	807396.763	4046035.459	807894.198	4046058.426	90.390
** DESCRSRC EP-59						
BACKGRND ANNUAL 5.0						
BACKUNIT PPB						
** Source Parameters **						
SRCPARAM EP61	106.2987	89.920	349.000	8.35000	7.920	
SRCPARAM EP98	0.0	17.070	343.889	19.67100	1.676	
SRCPARAM EPAA	2.725999	22.560	349.000	7.51000	2.286	
SRCPARAM EP991	0.0	15.240	351.000	13.87900	0.299	
SRCPARAM EP992	0.0	15.240	351.000	14.59100	0.299	
SRCPARAM EP993	0.0	15.240	351.000	9.71400	0.299	
SRCPARAM EP994	0.0	15.240	351.000	8.27700	0.299	
SRCPARAM EP995	1.0	15.240	351.000	13.87900	0.299	

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

SRCPARAM EP996	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP997	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP998	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP999	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9910	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9911	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9912	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9913	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9914	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9915	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9916	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9917	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9918	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9919	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9920	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9921	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9922	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9923	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9924	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9925	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9926	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9927	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9928	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9929	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9930	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9931	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9932	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9933	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9934	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9935	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9936	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9937	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9938	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9939	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9940	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9941	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9942	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9943	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9944	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9945	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9946	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9947	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9948	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9949	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9950	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9951	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9952	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9953	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9954	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9955	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9956	1.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9957	0.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9958	0.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9959	0.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9960	0.0	15.240	351.000	8.27700	0.299
SRCPARAM EP9961	1.0	15.240	351.000	13.87900	0.299
SRCPARAM EP9962	1.0	15.240	351.000	14.59100	0.299
SRCPARAM EP9963	1.0	15.240	351.000	9.71400	0.299
SRCPARAM EP9964	1.0	15.240	351.000	8.27700	0.299
SRCPARAM BLINE2B	1.0	16.000			
SRCPARAM BLINE2A	1.0	16.000			
SRCPARAM BLINE1B	1.0	16.000			
SRCPARAM BLINE1A	1.0	16.000			
SRCPARAM VOL611	0.266413	4.600	9.000	2.140	
SRCPARAM VOL612	0.266413	4.600	9.195	2.140	
SRCPARAM VOL99	0.006832	5.350	3.744	2.488	
SRCPARAM VOLAA	0.006832	5.350	3.774	2.488	
SRCPARAM STACK1	200.0	137.160	350.000	1.63556	4.572
SRCPARAM NM2	100.0	243.840	399.261	21.33600	6.096
SRCPARAM NM1	100.0	243.840	393.706	21.36600	6.096

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SRCPARAMBUZZI	17.7	30.000	366.483	1.63373	0.914
SRCPARAMQCEP5	0.0533	7.620	443.150	768.09600	0.762
SRCPARAMQCEP6	0.58982	10.668	355.372	602.28480	0.610

** Building Downwash **

BUILDHGT EP61	29.11	16.00	16.00	16.00	24.16	24.16
BUILDHGT EP61	24.16	25.60	25.60	25.60	25.60	25.60
BUILDHGT EP61	25.60	25.60	23.09	23.09	23.09	9.20
BUILDHGT EP61	16.00	16.00	16.00	16.00	24.16	24.16
BUILDHGT EP61	24.16	25.60	25.60	24.16	24.16	25.60
BUILDHGT EP61	25.60	25.60	9.20	29.11	29.11	29.11
BUILDHGT EP98	10.70	10.70	10.70	20.42	20.42	24.69
BUILDHGT EP98	24.69	24.69	24.69	10.70	10.70	10.70
BUILDHGT EP98	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP98	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP98	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP98	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EPAA	10.70	10.70	10.70	20.42	20.42	20.42
BUILDHGT EPAA	20.42	24.69	24.69	24.69	24.69	0.00
BUILDHGT EPAA	0.00	10.70	10.70	10.70	10.70	10.70
BUILDHGT EPAA	10.70	10.70	0.00	10.70	0.00	0.00
BUILDHGT EPAA	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT EPAA	0.00	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP991	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP991	20.42	20.42	20.42	20.42	24.69	24.69
BUILDHGT EP991	24.69	24.69	24.69	10.70	10.70	10.70
BUILDHGT EP991	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP991	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP991	10.70	20.42	20.00	20.00	10.70	23.09
BUILDHGT EP992	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP992	20.42	20.42	20.42	20.42	24.69	24.69
BUILDHGT EP992	24.69	24.69	24.69	10.70	10.70	10.70
BUILDHGT EP992	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP992	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP992	10.70	20.42	20.00	20.00	10.70	23.09
BUILDHGT EP993	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP993	20.42	20.42	20.42	20.42	24.69	24.69
BUILDHGT EP993	24.69	24.69	24.69	10.70	10.70	10.70
BUILDHGT EP993	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP993	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP993	10.70	20.42	20.00	20.00	10.70	23.09
BUILDHGT EP994	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP994	20.42	20.42	20.42	20.42	24.69	24.69
BUILDHGT EP994	24.69	24.69	24.69	10.70	10.70	10.70
BUILDHGT EP994	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP994	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP994	10.70	20.42	20.00	20.00	10.70	23.09
BUILDHGT EP995	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP995	20.42	20.42	20.42	20.42	24.69	24.69
BUILDHGT EP995	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP995	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP995	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP995	10.70	20.42	20.00	20.00	10.70	10.70
BUILDHGT EP996	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP996	20.42	20.42	20.42	20.42	24.69	24.69
BUILDHGT EP996	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP996	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP996	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP996	10.70	20.00	20.00	20.00	20.00	10.70
BUILDHGT EP997	23.09	23.09	23.09	23.09	23.09	20.42
BUILDHGT EP997	20.42	20.42	20.42	20.42	24.69	24.69

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDHGT EP9957	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9957	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9957	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9957	10.70	20.42	20.00	20.00	20.00	10.70
BUILDHGT EP9958	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9958	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9958	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9958	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9958	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9958	10.70	20.42	20.00	20.00	20.00	10.70
BUILDHGT EP9959	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9959	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9959	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9959	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9959	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9959	10.70	20.42	20.00	20.00	20.00	10.70
BUILDHGT EP9960	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9960	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9960	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9960	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9960	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9960	10.70	20.42	20.00	20.00	20.00	10.70
BUILDHGT EP9961	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9961	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9961	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9961	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9961	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9961	10.70	10.70	20.00	20.00	20.00	10.70
BUILDHGT EP9962	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9962	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9962	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9962	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9962	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9962	10.70	10.70	20.00	20.00	20.00	10.70
BUILDHGT EP9963	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9963	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9963	24.69	24.69	10.70	10.70	10.70	10.70
BUILDHGT EP9963	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9963	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9963	10.70	10.70	20.00	20.00	20.00	10.70
BUILDHGT EP9964	20.37	20.37	20.37	20.37	20.42	20.42
BUILDHGT EP9964	20.42	20.42	20.42	24.69	24.69	24.69
BUILDHGT EP9964	24.69	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9964	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9964	10.70	10.70	10.70	10.70	10.70	10.70
BUILDHGT EP9964	10.70	10.70	20.00	20.00	20.00	10.70
BUILDHGT STACK1	0.00	35.66	35.66	35.66	35.66	35.66
BUILDHGT STACK1	35.66	57.91	57.91	57.91	57.91	35.66
BUILDHGT STACK1	35.66	35.66	35.66	30.78	25.90	0.00
BUILDHGT STACK1	0.00	35.66	35.66	35.66	35.66	35.66
BUILDHGT STACK1	35.66	30.78	30.78	35.66	35.66	35.66
BUILDHGT STACK1	35.66	35.66	35.66	30.78	25.90	0.00
BUILDHGT NM2	23.01	23.01	23.01	23.01	0.00	0.00
BUILDHGT NM2	0.00	23.01	23.01	47.24	63.18	63.18
BUILDHGT NM2	63.18	63.18	54.86	54.86	54.86	23.01
BUILDHGT NM2	23.01	23.01	23.01	23.01	0.00	0.00
BUILDHGT NM2	0.00	23.01	23.01	47.24	63.18	63.18
BUILDHGT NM2	63.18	63.18	23.01	54.86	54.86	23.01
BUILDHGT NM1	23.01	23.01	23.01	0.00	0.00	0.00
BUILDHGT NM1	0.00	23.01	23.01	47.24	63.18	63.18

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDHGT NM1	63.18	63.18	54.86	54.86	54.86	23.01
BUILDHGT NM1	23.01	23.01	23.01	0.00	0.00	0.00
BUILDHGT NM1	0.00	23.01	23.01	47.24	63.18	63.18
BUILDHGT NM1	63.18	63.18	23.01	54.86	54.86	23.01
BUILDHGT BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID EP61	40.97	624.21	623.15	603.16	29.19	28.30
BUILDWID EP61	27.53	67.23	67.96	66.63	63.27	28.30
BUILDWID EP61	29.19	29.19	34.19	34.89	36.27	56.99
BUILDWID EP61	606.30	624.21	623.15	603.16	29.19	60.18
BUILDWID EP61	61.50	67.23	67.96	62.85	59.44	60.93
BUILDWID EP61	57.72	52.76	70.69	39.09	40.97	41.60
BUILDWID EP98	26.71	27.92	28.27	106.13	94.75	79.55
BUILDWID EP98	61.63	41.84	31.54	17.84	21.38	24.27
BUILDWID EP98	26.42	27.77	28.27	27.92	26.71	24.70
BUILDWID EP98	26.71	27.92	28.27	27.77	26.42	24.27
BUILDWID EP98	21.38	17.84	13.76	17.84	21.38	24.27
BUILDWID EP98	26.42	27.77	28.27	27.92	26.71	24.70
BUILDWID EPAA	51.55	51.81	50.50	105.23	93.78	79.48
BUILDWID EPAA	62.76	41.84	31.54	51.95	70.78	0.00
BUILDWID EPAA	0.00	27.77	51.21	27.92	26.71	24.70
BUILDWID EPAA	26.71	27.92	0.00	47.65	0.00	0.00
BUILDWID EPAA	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID EPAA	0.00	27.77	51.21	51.90	51.00	49.72
BUILDWID EP991	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP991	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP991	101.49	112.43	119.95	51.90	51.00	49.72
BUILDWID EP991	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP991	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP991	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP992	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP992	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP992	101.49	112.43	119.95	51.90	51.00	49.72
BUILDWID EP992	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP992	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP992	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP993	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP993	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP993	101.49	112.43	119.95	51.90	51.00	49.72
BUILDWID EP993	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP993	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP993	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP994	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP994	62.76	44.14	34.37	53.72	70.78	87.46

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDWID EP994	101.49	112.43	119.95	51.90	51.00	49.72
BUILDWID EP994	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP994	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP994	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP995	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP995	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP995	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP995	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP995	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP995	45.25	135.72	41.99	37.30	51.00	49.72
BUILDWID EP996	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP996	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP996	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP996	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP996	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP996	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP997	35.72	33.80	48.93	73.71	68.64	79.48
BUILDWID EP997	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP997	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP997	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP997	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP997	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP998	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP998	62.76	44.14	34.37	53.72	70.78	87.46
BUILDWID EP998	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP998	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP998	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP998	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP999	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP999	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP999	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP999	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP999	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP999	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP9910	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9910	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9910	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9910	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9910	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9910	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP9911	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9911	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9911	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9911	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9911	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9911	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP9912	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9912	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9912	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9912	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9912	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9912	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP9913	35.72	33.80	32.60	45.26	68.64	79.48
BUILDWID EP9913	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9913	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9913	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9913	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9913	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9914	35.72	33.80	32.60	45.26	68.64	79.48
BUILDWID EP9914	62.76	44.14	34.37	51.95	70.78	87.46

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDWID EP9914	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9914	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9914	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9914	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9915	35.72	33.80	32.60	45.26	68.64	79.48
BUILDWID EP9915	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9915	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9915	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9915	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9915	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9916	35.72	33.80	32.60	45.26	68.64	79.48
BUILDWID EP9916	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9916	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9916	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9916	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9916	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9917	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9917	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9917	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9917	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9917	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9917	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9918	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9918	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9918	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9918	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9918	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9918	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9919	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9919	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9919	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9919	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9919	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9919	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9920	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9920	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9920	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9920	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9920	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9920	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9921	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9921	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9921	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9921	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9921	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9921	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9922	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9922	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9922	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9922	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9922	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9922	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9923	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9923	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9923	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9923	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9923	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9923	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9924	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9924	62.76	44.14	34.37	51.95	70.78	87.46

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDWID EP9924	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9924	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9924	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9924	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9925	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9925	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9925	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9925	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9925	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9925	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP9926	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9926	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9926	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9926	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9926	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9926	45.25	45.40	41.99	37.30	31.48	49.72
BUILDWID EP9927	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9927	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9927	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9927	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9927	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9927	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9928	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9928	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9928	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9928	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9928	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9928	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9929	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9929	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9929	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9929	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9929	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9929	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9930	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9930	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9930	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9930	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9930	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9930	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9931	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9931	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9931	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9931	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9931	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9931	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9932	35.72	33.80	32.60	59.97	68.64	79.48
BUILDWID EP9932	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9932	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9932	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9932	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9932	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9933	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9933	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9933	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9933	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9933	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9933	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9934	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9934	62.76	44.14	34.37	51.95	70.78	87.46

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDWID EP9934	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9934	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9934	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9934	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9935	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9935	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9935	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9935	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9935	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9935	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9936	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9936	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9936	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9936	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9936	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9936	45.25	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9937	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9937	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9937	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9937	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9937	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9937	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9938	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9938	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9938	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9938	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9938	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9938	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9939	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9939	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9939	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9939	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9939	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9939	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9940	35.72	33.80	48.93	59.97	93.78	79.48
BUILDWID EP9940	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9940	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9940	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9940	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9940	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9941	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9941	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9941	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9941	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9941	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9941	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9942	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9942	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9942	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9942	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9942	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9942	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9943	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9943	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9943	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9943	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9943	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9943	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9944	35.72	33.80	32.60	59.97	93.78	79.48
BUILDWID EP9944	62.76	44.14	34.37	51.95	70.78	87.46

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BUILDWID EP9944	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9944	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9944	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9944	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9945	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9945	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9945	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9945	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9945	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9945	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9946	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9946	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9946	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9946	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9946	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9946	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9947	54.73	51.72	55.85	59.97	68.64	79.48
BUILDWID EP9947	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9947	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9947	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9947	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9947	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9948	54.73	51.72	55.85	59.97	68.64	79.48
BUILDWID EP9948	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9948	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9948	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9948	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9948	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9949	35.72	33.80	48.93	105.23	93.78	79.48
BUILDWID EP9949	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9949	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9949	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9949	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9949	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9950	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9950	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9950	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9950	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9950	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9950	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9951	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9951	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9951	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9951	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9951	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9951	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9952	35.72	33.80	48.93	73.71	93.78	79.48
BUILDWID EP9952	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9952	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9952	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9952	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9952	131.39	135.72	41.99	37.30	51.00	36.55
BUILDWID EP9953	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9953	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9953	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9953	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9953	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9953	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9954	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9954	62.76	44.14	34.37	51.95	70.78	87.46

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BUILDWID EP9954	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9954	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9954	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9954	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9955	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9955	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9955	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9955	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9955	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9955	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9956	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9956	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9956	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9956	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9956	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9956	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9957	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9957	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9957	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9957	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9957	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9957	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9958	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9958	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9958	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9958	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9958	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9958	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9959	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9959	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9959	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9959	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9959	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9959	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9960	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9960	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9960	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9960	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9960	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9960	45.25	135.72	41.99	37.30	31.48	49.72
BUILDWID EP9961	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9961	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9961	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9961	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9961	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9961	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9962	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9962	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9962	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9962	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9962	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9962	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9963	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9963	62.76	44.14	34.37	51.95	70.78	87.46
BUILDWID EP9963	101.49	112.43	51.21	51.90	51.00	49.72
BUILDWID EP9963	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9963	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9963	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID EP9964	54.73	51.72	55.85	59.97	93.78	79.48
BUILDWID EP9964	62.76	44.14	34.37	51.95	70.78	87.46

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BUILDWID EP9964	101.49	48.97	51.21	51.90	51.00	49.72
BUILDWID EP9964	51.55	51.81	50.50	47.65	43.36	37.75
BUILDWID EP9964	30.99	23.29	18.32	26.47	33.82	40.15
BUILDWID EP9964	45.25	48.98	41.99	37.30	31.48	49.72
BUILDWID STACK1	0.00	33.02	34.69	35.31	34.86	33.35
BUILDWID STACK1	30.82	35.85	32.81	36.99	37.18	34.13
BUILDWID STACK1	35.25	35.29	34.26	30.96	11.34	0.00
BUILDWID STACK1	0.00	33.02	34.69	35.31	34.86	33.35
BUILDWID STACK1	30.82	45.09	42.53	28.86	31.98	34.13
BUILDWID STACK1	35.25	35.29	34.26	30.96	11.34	0.00
BUILDWID NM2	64.82	60.96	54.48	46.35	0.00	0.00
BUILDWID NM2	0.00	28.19	31.35	144.24	114.84	102.01
BUILDWID NM2	86.09	67.55	103.87	114.13	130.45	67.56
BUILDWID NM2	64.82	60.96	54.48	46.35	0.00	0.00
BUILDWID NM2	0.00	28.19	31.35	144.24	114.84	102.01
BUILDWID NM2	86.09	67.55	66.25	114.13	130.45	68.21
BUILDWID NM1	65.58	60.96	54.48	0.00	0.00	0.00
BUILDWID NM1	0.00	28.19	31.35	144.24	114.84	102.01
BUILDWID NM1	86.09	67.55	103.87	114.13	130.45	67.56
BUILDWID NM1	64.82	60.96	54.48	0.00	0.00	0.00
BUILDWID NM1	0.00	28.19	31.35	144.24	114.84	102.01
BUILDWID NM1	86.09	67.55	66.25	114.13	130.45	68.21
BUILDWID BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN EP61	40.97	483.37	552.39	605.12	29.19	28.30
BUILDLEN EP61	27.53	33.95	31.14	37.36	42.45	28.30
BUILDLEN EP61	29.19	29.19	25.04	21.45	18.96	44.41
BUILDLEN EP61	401.12	483.37	552.39	605.12	29.19	43.28
BUILDLEN EP61	36.76	33.95	31.14	37.99	42.42	49.19
BUILDLEN EP61	55.41	59.95	62.67	39.09	40.97	41.60
BUILDLEN EP98	17.84	21.38	24.27	99.89	109.76	119.95
BUILDLEN EP98	123.83	123.95	123.13	26.71	27.92	28.27
BUILDLEN EP98	27.77	26.42	24.27	21.38	17.84	13.76
BUILDLEN EP98	17.84	21.38	24.27	26.42	27.77	28.27
BUILDLEN EP98	27.92	26.71	24.70	26.71	27.92	28.27
BUILDLEN EP98	27.77	26.42	24.27	21.38	17.84	13.76
BUILDLEN EPAA	26.47	33.82	40.15	99.92	109.74	116.23
BUILDLEN EPAA	119.19	123.95	123.13	124.87	122.81	0.00
BUILDLEN EPAA	0.00	26.42	37.75	21.38	17.84	13.76
BUILDLEN EPAA	17.84	21.38	0.00	45.25	0.00	0.00
BUILDLEN EPAA	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN EPAA	0.00	26.42	37.75	30.99	23.29	18.32
BUILDLEN EP991	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLEN EP991	119.19	118.53	117.47	120.05	122.81	117.02

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BUILDLIN EP991	107.67	95.06	79.55	30.99	23.29	18.32
BUILDLIN EP991	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP991	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP991	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLIN EP992	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLIN EP992	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP992	107.67	95.06	79.55	30.99	23.29	18.32
BUILDLIN EP992	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP992	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP992	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLIN EP993	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLIN EP993	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP993	107.67	95.06	79.55	30.99	23.29	18.32
BUILDLIN EP993	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP993	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP993	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLIN EP994	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLIN EP994	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP994	107.67	95.06	79.55	30.99	23.29	18.32
BUILDLIN EP994	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP994	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP994	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLIN EP995	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLIN EP995	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP995	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLIN EP995	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP995	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP995	47.65	132.57	45.31	45.25	23.29	18.32
BUILDLIN EP996	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLIN EP996	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP996	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLIN EP996	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP996	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP996	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLIN EP997	22.09	24.44	38.88	54.60	61.64	116.23
BUILDLIN EP997	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP997	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLIN EP997	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP997	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP997	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLIN EP998	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLIN EP998	119.19	118.53	117.47	120.05	122.81	117.02
BUILDLIN EP998	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLIN EP998	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP998	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP998	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLIN EP999	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLIN EP999	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLIN EP999	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLIN EP999	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP999	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP999	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLIN EP9910	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLIN EP9910	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLIN EP9910	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLIN EP9910	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLIN EP9910	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLIN EP9910	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLIN EP9911	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLIN EP9911	119.19	118.53	117.47	124.87	122.81	117.02

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDLN EP9911	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9911	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9911	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9911	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLN EP9912	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLN EP9912	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9912	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9912	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9912	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9912	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLN EP9913	22.09	24.44	27.80	44.58	86.94	116.23
BUILDLN EP9913	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9913	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9913	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9913	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9913	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9914	22.09	24.44	27.80	44.58	86.94	116.23
BUILDLN EP9914	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9914	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9914	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9914	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9914	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9915	22.09	24.44	27.80	44.58	86.94	116.23
BUILDLN EP9915	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9915	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9915	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9915	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9915	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9916	22.09	24.44	27.80	44.58	86.94	116.23
BUILDLN EP9916	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9916	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9916	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9916	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9916	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9917	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9917	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9917	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9917	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9917	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9917	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9918	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9918	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9918	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9918	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9918	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9918	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9919	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9919	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9919	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9919	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9919	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9919	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9920	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9920	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9920	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9920	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9920	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9920	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9921	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9921	119.19	118.53	117.47	124.87	122.81	117.02

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDLN EP9921	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9921	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9921	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9921	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9922	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9922	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9922	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9922	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9922	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9922	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9923	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9923	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9923	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9923	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9923	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9923	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9924	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9924	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9924	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9924	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9924	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9924	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9925	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9925	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9925	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9925	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9925	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9925	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLN EP9926	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9926	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9926	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9926	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9926	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9926	47.65	45.05	45.31	45.25	44.09	18.32
BUILDLN EP9927	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9927	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9927	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9927	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9927	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9927	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9928	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9928	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9928	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9928	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9928	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9928	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9929	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLN EP9929	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9929	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9929	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9929	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9929	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9930	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLN EP9930	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9930	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9930	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9930	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9930	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9931	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLN EP9931	119.19	118.53	117.47	124.87	122.81	117.02

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

BUILDLN EP9931	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9931	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9931	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9931	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9932	22.09	24.44	27.80	47.86	86.94	116.23
BUILDLN EP9932	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9932	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9932	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9932	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9932	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9933	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9933	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9933	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9933	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9933	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9933	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9934	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9934	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9934	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9934	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9934	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9934	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9935	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9935	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9935	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9935	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9935	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9935	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9936	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9936	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9936	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9936	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9936	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9936	47.65	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9937	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9937	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9937	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9937	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9937	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9937	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9938	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9938	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9938	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9938	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9938	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9938	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9939	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9939	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9939	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9939	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9939	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9939	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9940	22.09	24.44	38.88	47.86	109.74	116.23
BUILDLN EP9940	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9940	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9940	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9940	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9940	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9941	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9941	119.19	118.53	117.47	124.87	122.81	117.02

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BUILDLN EP9941	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9941	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9941	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9941	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9942	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9942	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9942	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9942	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9942	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9942	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9943	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9943	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9943	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9943	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9943	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9943	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9944	22.09	24.44	27.80	47.86	109.74	116.23
BUILDLN EP9944	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9944	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9944	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9944	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9944	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9945	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9945	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9945	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9945	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9945	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9945	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9946	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9946	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9946	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9946	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9946	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9946	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9947	61.98	63.05	52.02	47.86	86.94	116.23
BUILDLN EP9947	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9947	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9947	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9947	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9947	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9948	61.98	63.05	52.02	47.86	86.94	116.23
BUILDLN EP9948	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9948	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9948	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9948	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9948	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9949	22.09	24.44	38.88	99.92	109.74	116.23
BUILDLN EP9949	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9949	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9949	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9949	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9949	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9950	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9950	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9950	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9950	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9950	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9950	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9951	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9951	119.19	118.53	117.47	124.87	122.81	117.02

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BUILDLN EP9951	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9951	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9951	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9951	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9952	22.09	24.44	38.88	85.53	109.74	116.23
BUILDLN EP9952	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9952	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9952	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9952	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9952	139.62	132.57	45.31	45.25	23.29	19.07
BUILDLN EP9953	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9953	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9953	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9953	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9953	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9953	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9954	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9954	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9954	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9954	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9954	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9954	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9955	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9955	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9955	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9955	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9955	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9955	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9956	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9956	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9956	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9956	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9956	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9956	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9957	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9957	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9957	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9957	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9957	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9957	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9958	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9958	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9958	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9958	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9958	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9958	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9959	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9959	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9959	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9959	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9959	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9959	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9960	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9960	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9960	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9960	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9960	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9960	47.65	132.57	45.31	45.25	44.09	18.32
BUILDLN EP9961	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9961	119.19	118.53	117.47	124.87	122.81	117.02

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BUILDLN EP9961	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9961	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9961	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9961	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9962	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9962	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9962	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9962	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9962	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9962	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9963	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9963	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9963	107.67	95.06	37.75	30.99	23.29	18.32
BUILDLN EP9963	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9963	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9963	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN EP9964	61.98	63.05	52.02	47.86	109.74	116.23
BUILDLN EP9964	119.19	118.53	117.47	124.87	122.81	117.02
BUILDLN EP9964	107.67	43.36	37.75	30.99	23.29	18.32
BUILDLN EP9964	26.47	33.82	40.15	45.25	48.97	51.21
BUILDLN EP9964	51.90	51.00	49.72	51.55	51.81	50.50
BUILDLN EP9964	47.65	43.36	45.31	45.25	44.09	18.32
BUILDLN STACK1	0.00	31.98	34.13	35.25	35.29	34.26
BUILDLN STACK1	32.19	32.26	29.04	34.03	37.99	34.69
BUILDLN STACK1	35.31	34.86	33.35	25.16	11.35	0.00
BUILDLN STACK1	0.00	31.98	34.13	35.25	35.29	34.26
BUILDLN STACK1	32.19	32.45	27.12	30.34	33.02	34.69
BUILDLN STACK1	35.31	34.86	33.35	25.16	11.35	0.00
BUILDLN NM2	56.06	61.61	65.82	68.03	0.00	0.00
BUILDLN NM2	0.00	32.98	34.76	183.18	117.26	126.16
BUILDLN NM2	131.24	132.33	129.39	128.98	131.35	48.41
BUILDLN NM2	56.06	61.61	65.82	68.03	0.00	0.00
BUILDLN NM2	0.00	32.98	34.76	183.18	117.26	126.16
BUILDLN NM2	131.24	132.33	26.15	128.98	131.35	47.75
BUILDLN NM1	55.52	61.61	65.82	0.00	0.00	0.00
BUILDLN NM1	0.00	32.98	34.76	183.18	117.26	126.16
BUILDLN NM1	131.24	132.33	129.39	128.98	131.35	48.41
BUILDLN NM1	56.06	61.61	65.82	0.00	0.00	0.00
BUILDLN NM1	0.00	32.98	34.76	183.18	117.26	126.16
BUILDLN NM1	131.24	132.33	26.15	128.98	131.35	47.75
BUILDLN BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLN QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ EP61	-110.23	-441.68	-524.77	-591.93	-74.44	-77.36
XBADJ EP61	-78.42	-75.57	-81.06	-89.19	-94.60	-98.61

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XBADJ	EP61	-100.11	-98.57	-120.75	-121.60	-119.60	-63.24
XBADJ	EP61	-55.97	-41.69	-27.62	-13.19	45.25	34.08
XBADJ	EP61	41.66	41.62	49.92	42.90	37.48	49.42
XBADJ	EP61	44.70	38.62	-77.03	-111.98	-114.88	-114.29
XBADJ	EP98	-2.16	-2.19	-2.15	-175.87	-187.10	-176.67
XBADJ	EP98	-184.16	-186.06	-183.62	-2.74	-4.67	-6.47
XBADJ	EP98	-8.07	-9.42	-10.48	-11.23	-11.64	-11.69
XBADJ	EP98	-15.68	-19.19	-22.11	-24.37	-25.88	-26.61
XBADJ	EP98	-26.53	-25.65	-23.98	-23.98	-23.24	-21.80
XBADJ	EP98	-19.70	-17.00	-13.78	-10.15	-6.20	-2.07
XBADJ	EPAA	-60.56	-62.79	-63.12	-197.14	-208.69	-213.90
XBADJ	EPAA	-212.61	-199.29	-202.03	-202.03	-195.88	0.00
XBADJ	EPAA	0.00	-42.87	20.04	-44.05	-42.63	-39.91
XBADJ	EPAA	-40.27	-39.41	0.00	16.28	0.00	0.00
XBADJ	EPAA	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	EPAA	0.00	16.45	-57.79	-58.55	-57.53	-56.48
XBADJ	EP991	-128.52	-129.25	-137.99	-158.66	-156.10	-166.47
XBADJ	EP991	-172.06	-172.42	-170.94	-173.41	-192.55	-190.78
XBADJ	EP991	-183.20	-170.06	-151.75	-15.59	-15.30	-16.26
XBADJ	EP991	-23.57	-30.16	-35.83	-40.42	-43.77	-45.80
XBADJ	EP991	-46.44	-45.66	-44.08	-43.47	-41.54	-38.34
XBADJ	EP991	-33.99	37.50	-128.04	-126.77	-7.99	-123.88
XBADJ	EP992	-128.60	-129.41	-138.22	-158.95	-156.45	-166.86
XBADJ	EP992	-172.48	-172.86	-171.39	-173.86	-192.98	-191.17
XBADJ	EP992	-183.55	-170.35	-151.98	-15.75	-15.38	-16.26
XBADJ	EP992	-23.49	-30.00	-35.61	-40.13	-43.43	-45.41
XBADJ	EP992	-46.02	-45.22	-43.63	-43.03	-41.12	-37.95
XBADJ	EP992	-33.64	37.78	-127.81	-126.62	-7.91	-123.88
XBADJ	EP993	-128.67	-129.56	-138.44	-159.24	-156.79	-167.25
XBADJ	EP993	-172.90	-173.30	-171.84	-174.30	-193.40	-191.56
XBADJ	EP993	-183.89	-170.64	-152.20	-15.90	-15.45	-16.26
XBADJ	EP993	-23.41	-29.85	-35.38	-39.84	-43.09	-45.02
XBADJ	EP993	-45.59	-44.78	-43.18	-42.58	-40.69	-37.56
XBADJ	EP993	-33.30	38.07	-127.59	-126.47	-7.83	-123.88
XBADJ	EP994	-128.75	-129.72	-138.67	-159.53	-157.14	-167.65
XBADJ	EP994	-173.34	-173.76	-172.30	-174.75	-193.83	-191.95
XBADJ	EP994	-184.24	-170.94	-152.43	-16.06	-15.53	-16.26
XBADJ	EP994	-23.33	-29.69	-35.15	-39.54	-42.73	-44.62
XBADJ	EP994	-45.16	-44.32	-42.72	-42.13	-40.26	-37.17
XBADJ	EP994	-32.94	38.37	-127.36	-126.31	-7.75	-123.88
XBADJ	EP995	-129.39	-130.96	-140.49	-161.87	-159.93	-170.80
XBADJ	EP995	-176.76	-177.34	-175.94	-178.34	-197.25	-195.11
XBADJ	EP995	-187.03	-173.28	-17.91	-17.30	-16.17	-16.26
XBADJ	EP995	-22.70	-28.45	-33.33	-37.20	-39.94	-41.47
XBADJ	EP995	-41.74	-40.74	-39.08	-38.55	-36.84	-34.01
XBADJ	EP995	-30.16	40.71	-125.54	-125.06	-7.12	-2.06
XBADJ	EP996	-129.46	-131.12	-140.72	-162.16	-160.28	-171.19
XBADJ	EP996	-177.18	-177.79	-176.39	-178.78	-197.68	-195.50
XBADJ	EP996	-187.38	-173.57	-18.14	-17.46	-16.24	-16.26
XBADJ	EP996	-22.62	-28.29	-33.11	-36.91	-39.60	-41.08
XBADJ	EP996	-41.32	-40.30	-38.63	-38.10	-36.42	-33.62
XBADJ	EP996	-29.81	-121.90	-125.31	-124.91	-120.71	-2.06
XBADJ	EP997	-129.54	-131.27	-140.94	-162.45	-160.62	-171.58
XBADJ	EP997	-177.60	-178.23	-176.84	-179.22	-198.10	-195.89
XBADJ	EP997	-187.72	-173.85	-18.36	-17.61	-16.32	-16.26
XBADJ	EP997	-22.54	-28.14	-32.88	-36.62	-39.26	-40.69
XBADJ	EP997	-40.89	-39.85	-38.18	-37.66	-35.99	-33.23
XBADJ	EP997	-29.47	-121.62	-125.09	-124.76	-120.64	-2.06
XBADJ	EP998	-129.62	-131.43	-130.09	-125.08	-160.69	-171.98
XBADJ	EP998	-178.03	-178.68	-177.30	-179.68	-198.53	-196.28

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XBADJ	EP998	-188.07	-174.15	-18.59	-17.77	-16.40	-16.26
XBADJ	EP998	-22.46	-27.98	-32.65	-36.33	-38.90	-40.29
XBADJ	EP998	-40.46	-39.40	-37.72	-37.21	-35.56	-32.84
XBADJ	EP998	-29.11	-121.32	-124.86	-124.60	-120.56	-2.06
XBADJ	EP999	-130.25	-132.67	-131.91	-127.42	-163.76	-175.13
XBADJ	EP999	-181.45	-182.27	-180.94	-198.33	-201.95	-199.44
XBADJ	EP999	-190.86	-176.49	-20.41	-19.01	-17.03	-16.26
XBADJ	EP999	-21.83	-26.74	-30.83	-33.99	-36.11	-37.14
XBADJ	EP999	-37.04	-35.81	-34.08	-33.62	-32.14	-29.68
XBADJ	EP999	-26.33	-118.98	-123.04	-123.35	-119.92	-2.06
XBADJ	EP9910	-130.33	-132.83	-132.13	-127.71	-164.11	-175.52
XBADJ	EP9910	-181.88	-182.71	-181.39	-198.77	-202.37	-199.83
XBADJ	EP9910	-191.21	-176.78	-20.64	-19.17	-17.11	-16.26
XBADJ	EP9910	-21.75	-26.58	-30.61	-33.70	-35.77	-36.75
XBADJ	EP9910	-36.62	-35.37	-33.63	-33.18	-31.72	-29.29
XBADJ	EP9910	-25.98	-118.69	-122.81	-123.20	-119.85	-2.06
XBADJ	EP9911	-130.41	-132.98	-132.36	-128.00	-164.45	-175.91
XBADJ	EP9911	-182.30	-183.15	-181.84	-199.21	-202.80	-200.22
XBADJ	EP9911	-191.55	-177.07	-20.86	-19.32	-17.19	-16.26
XBADJ	EP9911	-21.67	-26.43	-30.38	-33.41	-35.42	-36.36
XBADJ	EP9911	-36.20	-34.93	-33.18	-32.73	-31.30	-28.90
XBADJ	EP9911	-25.64	-118.40	-122.59	-123.05	-119.77	-2.06
XBADJ	EP9912	-130.49	-133.14	-132.59	-128.29	-164.80	-176.31
XBADJ	EP9912	-182.73	-183.61	-182.30	-199.67	-203.23	-200.61
XBADJ	EP9912	-191.90	-177.36	-21.09	-19.48	-17.27	-16.26
XBADJ	EP9912	-21.59	-26.27	-30.15	-33.12	-35.07	-35.96
XBADJ	EP9912	-35.76	-34.48	-32.72	-32.28	-30.86	-28.51
XBADJ	EP9912	-25.28	-118.11	-122.36	-122.89	-119.69	-2.06
XBADJ	EP9913	-131.12	-134.38	-134.41	-144.32	-167.59	-179.46
XBADJ	EP9913	-186.15	-187.19	-185.94	-203.25	-206.65	-203.77
XBADJ	EP9913	-194.69	-179.70	-22.91	-20.72	-17.90	-16.26
XBADJ	EP9913	-20.96	-25.03	-28.33	-30.78	-32.28	-32.81
XBADJ	EP9913	-32.34	-30.89	-29.08	-28.70	-27.44	-25.35
XBADJ	EP9913	-22.50	-18.95	-120.54	-121.64	-119.06	-2.06
XBADJ	EP9914	-131.20	-134.54	-134.63	-144.61	-167.94	-179.85
XBADJ	EP9914	-186.58	-187.63	-186.39	-203.70	-207.07	-204.16
XBADJ	EP9914	-195.04	-179.99	-23.14	-20.88	-17.98	-16.26
XBADJ	EP9914	-20.88	-24.87	-28.11	-30.49	-31.94	-32.42
XBADJ	EP9914	-31.92	-30.45	-28.63	-28.25	-27.02	-24.96
XBADJ	EP9914	-22.15	-18.66	-120.31	-121.49	-118.98	-2.06
XBADJ	EP9915	-131.28	-134.69	-134.86	-144.90	-168.28	-180.24
XBADJ	EP9915	-187.00	-188.08	-186.84	-204.14	-207.49	-204.55
XBADJ	EP9915	-195.38	-180.28	-23.36	-21.03	-18.06	-16.26
XBADJ	EP9915	-20.81	-24.72	-27.88	-30.20	-31.59	-32.03
XBADJ	EP9915	-31.50	-30.00	-28.18	-27.81	-26.60	-24.57
XBADJ	EP9915	-21.81	-18.37	-120.09	-121.34	-118.90	-2.06
XBADJ	EP9916	-131.36	-134.85	-135.09	-145.20	-168.63	-180.64
XBADJ	EP9916	-187.43	-188.53	-187.30	-204.59	-207.93	-204.94
XBADJ	EP9916	-195.74	-180.58	-23.59	-21.19	-18.14	-16.26
XBADJ	EP9916	-20.73	-24.56	-27.65	-29.90	-31.24	-31.63
XBADJ	EP9916	-31.06	-29.55	-27.72	-27.36	-26.16	-24.18
XBADJ	EP9916	-21.45	-18.08	-119.86	-121.18	-118.82	-2.06
XBADJ	EP9917	-131.38	-131.99	-140.51	-123.22	-157.69	-167.92
XBADJ	EP9917	-173.05	-172.92	-170.94	-187.97	-191.56	-189.32
XBADJ	EP9917	-181.33	-167.83	-12.89	-12.86	-12.43	-13.35
XBADJ	EP9917	-20.70	-27.42	-33.31	-38.19	-41.90	-44.35
XBADJ	EP9917	-45.44	-45.16	-44.08	-43.97	-42.53	-39.80
XBADJ	EP9917	-35.86	35.27	-130.56	-129.51	-10.85	-126.79
XBADJ	EP9918	-131.46	-132.14	-140.74	-123.51	-158.04	-168.31
XBADJ	EP9918	-173.48	-173.37	-171.39	-188.42	-191.98	-189.71

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

XBADJ	EP9918	-181.68	-168.12	-13.12	-13.01	-12.51	-13.35
XBADJ	EP9918	-20.62	-27.27	-33.09	-37.90	-41.56	-43.96
XBADJ	EP9918	-45.02	-44.71	-43.63	-43.53	-42.11	-39.41
XBADJ	EP9918	-35.51	35.56	-130.33	-129.35	-10.78	-126.79
XBADJ	EP9919	-131.54	-132.29	-140.96	-123.80	-158.38	-168.70
XBADJ	EP9919	-173.90	-173.81	-171.84	-188.86	-192.40	-190.10
XBADJ	EP9919	-182.02	-168.41	-13.34	-13.17	-12.59	-13.35
XBADJ	EP9919	-20.54	-27.11	-32.86	-37.61	-41.21	-43.57
XBADJ	EP9919	-44.60	-44.27	-43.18	-43.09	-41.69	-39.02
XBADJ	EP9919	-35.17	35.84	-130.11	-129.20	-10.70	-126.79
XBADJ	EP9920	-131.62	-132.45	-141.19	-124.09	-158.73	-169.10
XBADJ	EP9920	-174.33	-174.26	-172.30	-189.31	-192.84	-190.50
XBADJ	EP9920	-182.37	-168.71	-13.57	-13.32	-12.67	-13.35
XBADJ	EP9920	-20.46	-26.96	-32.63	-37.31	-40.86	-43.17
XBADJ	EP9920	-44.16	-43.82	-42.72	-42.64	-41.26	-38.62
XBADJ	EP9920	-34.81	36.14	-129.88	-129.04	-10.62	-126.79
XBADJ	EP9921	-132.25	-133.70	-143.01	-126.43	-161.52	-172.25
XBADJ	EP9921	-177.75	-177.85	-175.94	-192.90	-196.26	-193.65
XBADJ	EP9921	-185.16	-171.05	-15.39	-14.57	-13.30	-13.35
XBADJ	EP9921	-19.83	-25.71	-30.81	-34.97	-38.07	-40.02
XBADJ	EP9921	-40.74	-40.23	-39.08	-39.05	-37.83	-35.47
XBADJ	EP9921	-32.03	38.48	-128.06	-127.80	-123.66	-4.97
XBADJ	EP9922	-132.33	-133.85	-143.24	-126.72	-161.87	-172.64
XBADJ	EP9922	-178.17	-178.29	-176.39	-193.34	-196.68	-194.04
XBADJ	EP9922	-185.51	-171.34	-15.62	-14.72	-13.38	-13.35
XBADJ	EP9922	-19.75	-25.56	-30.59	-34.68	-37.73	-39.63
XBADJ	EP9922	-40.32	-39.79	-38.63	-38.61	-37.41	-35.08
XBADJ	EP9922	-31.68	38.77	-127.83	-127.64	-123.58	-4.97
XBADJ	EP9923	-132.41	-134.00	-143.46	-127.01	-162.21	-173.03
XBADJ	EP9923	-178.60	-178.73	-176.84	-193.79	-197.10	-194.43
XBADJ	EP9923	-185.85	-171.63	-15.84	-14.88	-13.46	-13.35
XBADJ	EP9923	-19.68	-25.40	-30.36	-34.40	-37.38	-39.24
XBADJ	EP9923	-39.90	-39.35	-38.18	-38.16	-36.99	-34.69
XBADJ	EP9923	-31.34	39.06	-127.61	-127.49	-123.50	-4.97
XBADJ	EP9924	-132.49	-134.16	-143.69	-127.31	-162.56	-173.43
XBADJ	EP9924	-179.03	-179.19	-177.30	-194.24	-197.53	-194.83
XBADJ	EP9924	-186.20	-171.92	-16.07	-15.03	-13.54	-13.35
XBADJ	EP9924	-19.60	-25.25	-30.13	-34.10	-37.03	-38.84
XBADJ	EP9924	-39.47	-38.89	-37.72	-37.71	-36.56	-34.29
XBADJ	EP9924	-30.98	39.35	-127.38	-127.33	-123.42	-4.97
XBADJ	EP9925	-133.12	-135.41	-134.43	-129.65	-165.35	-176.58
XBADJ	EP9925	-182.45	-182.77	-180.94	-197.82	-200.96	-197.98
XBADJ	EP9925	-188.99	-174.26	-17.89	-16.28	-14.17	-13.35
XBADJ	EP9925	-18.96	-24.00	-28.31	-31.76	-34.24	-35.69
XBADJ	EP9925	-36.05	-35.31	-34.08	-34.13	-33.14	-31.14
XBADJ	EP9925	-28.20	-121.21	-125.56	-126.09	-122.79	-4.97
XBADJ	EP9926	-133.20	-135.56	-134.65	-129.94	-165.70	-176.97
XBADJ	EP9926	-182.87	-183.21	-181.39	-198.27	-201.38	-198.37
XBADJ	EP9926	-189.34	-174.55	-18.12	-16.43	-14.25	-13.35
XBADJ	EP9926	-18.89	-23.85	-28.09	-31.47	-33.90	-35.30
XBADJ	EP9926	-35.62	-34.87	-33.63	-33.68	-32.71	-30.75
XBADJ	EP9926	-27.85	-120.92	-125.33	-125.93	-122.71	-4.97
XBADJ	EP9927	-133.28	-135.71	-134.88	-130.23	-166.04	-177.36
XBADJ	EP9927	-183.30	-183.66	-181.84	-198.71	-201.80	-198.76
XBADJ	EP9927	-189.68	-174.84	-18.34	-16.59	-14.33	-13.35
XBADJ	EP9927	-18.81	-23.69	-27.86	-31.18	-33.55	-34.91
XBADJ	EP9927	-35.20	-34.42	-33.18	-33.24	-32.29	-30.36
XBADJ	EP9927	-27.51	-23.82	-125.11	-125.78	-122.63	-4.97
XBADJ	EP9928	-133.36	-135.87	-135.11	-130.52	-166.40	-177.76
XBADJ	EP9928	-183.73	-184.11	-182.30	-199.16	-202.23	-199.16

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

XBADJ	EP9928	-190.03	-175.13	-18.57	-16.74	-14.41	-13.35
XBADJ	EP9928	-18.73	-23.54	-27.63	-30.89	-33.20	-34.51
XBADJ	EP9928	-34.77	-33.97	-32.72	-32.79	-31.86	-29.96
XBADJ	EP9928	-27.15	-23.52	-124.88	-125.62	-122.55	-4.97
XBADJ	EP9929	-133.99	-137.12	-136.93	-132.86	-169.46	-180.91
XBADJ	EP9929	-187.15	-187.70	-185.94	-202.75	-205.65	-202.31
XBADJ	EP9929	-192.82	-177.47	-20.39	-17.99	-15.04	-13.35
XBADJ	EP9929	-18.10	-22.29	-25.81	-28.55	-30.41	-31.36
XBADJ	EP9929	-31.35	-30.39	-29.08	-29.20	-28.44	-26.81
XBADJ	EP9929	-24.37	-21.18	-123.06	-124.38	-121.92	-4.97
XBADJ	EP9930	-134.07	-137.27	-137.15	-133.15	-169.81	-181.30
XBADJ	EP9930	-187.57	-188.14	-186.39	-203.19	-206.08	-202.70
XBADJ	EP9930	-193.17	-177.76	-20.62	-18.14	-15.12	-13.35
XBADJ	EP9930	-18.02	-22.14	-25.59	-28.26	-30.07	-30.97
XBADJ	EP9930	-30.92	-29.94	-28.63	-28.76	-28.01	-26.42
XBADJ	EP9930	-24.02	-20.89	-122.83	-124.22	-121.84	-4.97
XBADJ	EP9931	-134.15	-137.42	-137.38	-133.44	-170.15	-181.69
XBADJ	EP9931	-187.99	-188.58	-186.84	-203.63	-206.50	-203.09
XBADJ	EP9931	-193.51	-178.05	-20.84	-18.30	-15.19	-13.35
XBADJ	EP9931	-17.94	-21.98	-25.36	-27.97	-29.72	-30.58
XBADJ	EP9931	-30.50	-29.50	-28.18	-28.32	-27.59	-26.03
XBADJ	EP9931	-23.68	-20.60	-122.61	-124.07	-121.77	-4.97
XBADJ	EP9932	-134.23	-137.58	-137.61	-133.74	-170.51	-182.09
XBADJ	EP9932	-188.43	-189.03	-187.30	-204.09	-206.93	-203.49
XBADJ	EP9932	-193.86	-178.35	-21.07	-18.45	-15.27	-13.35
XBADJ	EP9932	-17.86	-21.83	-25.13	-27.67	-29.37	-30.18
XBADJ	EP9932	-30.07	-29.05	-27.72	-27.86	-27.16	-25.63
XBADJ	EP9932	-23.32	-20.31	-122.38	-123.91	-121.69	-4.97
XBADJ	EP9933	-134.25	-134.72	-143.03	-163.12	-159.56	-169.38
XBADJ	EP9933	-174.05	-173.43	-170.94	-187.47	-190.56	-187.87
XBADJ	EP9933	-179.46	-165.60	-10.37	-10.12	-9.57	-10.44
XBADJ	EP9933	-17.84	-24.69	-30.79	-35.96	-40.03	-42.89
XBADJ	EP9933	-44.45	-44.65	-44.08	-44.48	-43.53	-41.25
XBADJ	EP9933	39.84	33.04	-133.08	-132.24	-13.72	-129.70
XBADJ	EP9934	-134.33	-134.87	-143.26	-163.41	-159.91	-169.77
XBADJ	EP9934	-174.47	-173.87	-171.39	-187.91	-190.99	-188.26
XBADJ	EP9934	-179.81	-165.89	-10.60	-10.28	-9.65	-10.44
XBADJ	EP9934	-17.76	-24.53	-30.57	-35.67	-39.69	-42.50
XBADJ	EP9934	-44.02	-44.21	-43.63	-44.04	-43.11	-40.86
XBADJ	EP9934	40.19	33.33	-132.85	-132.09	-13.64	-129.70
XBADJ	EP9935	-134.41	-135.03	-143.48	-163.70	-160.25	-170.16
XBADJ	EP9935	-174.89	-174.32	-171.84	-188.36	-191.41	-188.65
XBADJ	EP9935	-180.15	-166.18	-10.82	-10.43	-9.72	-10.44
XBADJ	EP9935	-17.68	-24.38	-30.34	-35.38	-39.34	-42.11
XBADJ	EP9935	-43.60	-43.77	-43.18	-43.59	-42.68	-40.47
XBADJ	EP9935	40.53	33.62	-132.63	-131.94	-13.56	-129.70
XBADJ	EP9936	-134.49	-135.19	-143.71	-163.99	-160.61	-170.56
XBADJ	EP9936	-175.33	-174.77	-172.30	-188.81	-191.84	-189.04
XBADJ	EP9936	-180.50	-166.48	-11.05	-10.59	-9.80	-10.44
XBADJ	EP9936	-17.60	-24.22	-30.11	-35.08	-38.99	-41.71
XBADJ	EP9936	-43.17	-43.31	-42.72	-43.14	-42.25	-40.08
XBADJ	EP9936	-36.68	33.91	-132.40	-131.78	-13.48	-129.70
XBADJ	EP9937	-135.12	-136.43	-145.53	-128.66	-163.39	-173.71
XBADJ	EP9937	-178.75	-178.35	-175.94	-192.39	-195.26	-192.20
XBADJ	EP9937	-183.29	-168.82	-12.87	-11.83	-10.44	-10.44
XBADJ	EP9937	-16.97	-22.98	-28.29	-32.74	-36.20	-38.56
XBADJ	EP9937	-39.75	-39.73	-39.08	-39.56	-38.83	-36.92
XBADJ	EP9937	-33.90	36.25	-130.58	-130.53	-126.52	-7.88
XBADJ	EP9938	-135.20	-136.59	-145.76	-128.95	-163.74	-174.10
XBADJ	EP9938	-179.17	-178.80	-176.39	-192.84	-195.68	-192.59

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

XBADJ	EP9938	-183.64	-169.11	-13.10	-11.99	-10.51	-10.44
XBADJ	EP9938	-16.89	-22.82	-28.07	-32.46	-35.86	-38.17
XBADJ	EP9938	-39.33	-39.28	-38.63	-39.11	-38.41	-36.53
XBADJ	EP9938	-33.55	36.54	-130.35	-130.38	-126.45	-7.88
XBADJ	EP9939	-135.27	-136.74	-145.98	-129.24	-164.08	-174.49
XBADJ	EP9939	-179.59	-179.24	-176.84	-193.28	-196.11	-192.98
XBADJ	EP9939	-183.98	-169.40	-13.32	-12.14	-10.59	-10.44
XBADJ	EP9939	-16.81	-22.67	-27.84	-32.17	-35.51	-37.78
XBADJ	EP9939	-38.90	-38.84	-38.18	-38.67	-37.98	-36.14
XBADJ	EP9939	-33.21	36.83	-130.13	-130.23	-126.37	-7.88
XBADJ	EP9940	-135.35	-136.90	-146.21	-129.54	-164.44	-174.89
XBADJ	EP9940	-180.02	-179.69	-177.30	-193.73	-196.54	-193.37
XBADJ	EP9940	-184.33	-169.69	-13.55	-12.30	-10.67	-10.44
XBADJ	EP9940	-16.73	-22.51	-27.61	-31.87	-35.16	-37.38
XBADJ	EP9940	-38.47	-38.39	-37.72	-38.22	-37.55	-35.75
XBADJ	EP9940	-32.85	37.13	-129.90	-130.07	-126.29	-7.88
XBADJ	EP9941	-135.99	-138.14	-136.95	-131.88	-167.22	-178.04
XBADJ	EP9941	-183.44	-183.28	-180.94	-197.32	-199.96	-196.53
XBADJ	EP9941	-187.12	-172.03	-15.37	-13.54	-11.30	-10.44
XBADJ	EP9941	-16.10	-21.27	-25.79	-29.53	-32.37	-34.23
XBADJ	EP9941	-35.05	-34.80	-34.08	-34.63	-34.13	-32.59
XBADJ	EP9941	-30.07	39.46	-128.08	-128.82	-125.66	-7.88
XBADJ	EP9942	-136.06	-138.30	-137.17	-132.17	-167.57	-178.43
XBADJ	EP9942	-183.87	-183.72	-181.39	-197.76	-200.38	-196.92
XBADJ	EP9942	-187.47	-172.32	-15.60	-13.70	-11.38	-10.44
XBADJ	EP9942	-16.02	-21.11	-25.57	-29.24	-32.03	-33.84
XBADJ	EP9942	-34.63	-34.36	-33.63	-34.19	-33.71	-32.20
XBADJ	EP9942	-29.72	39.75	-127.85	-128.67	-125.58	-7.88
XBADJ	EP9943	-136.14	-138.45	-137.40	-132.45	-167.91	-178.82
XBADJ	EP9943	-184.29	-184.16	-181.84	-198.20	-200.81	-197.31
XBADJ	EP9943	-187.81	-172.61	-15.82	-13.85	-11.46	-10.44
XBADJ	EP9943	-15.94	-20.96	-25.34	-28.95	-31.68	-33.45
XBADJ	EP9943	-34.20	-33.92	-33.18	-33.75	-33.29	-31.81
XBADJ	EP9943	-29.38	40.04	-127.63	-128.52	-125.50	-7.88
XBADJ	EP9944	-136.22	-138.61	-137.63	-132.75	-168.27	-179.22
XBADJ	EP9944	-184.72	-184.62	-182.30	-198.66	-201.24	-197.70
XBADJ	EP9944	-188.16	-172.91	-16.05	-14.01	-11.54	-10.44
XBADJ	EP9944	-15.86	-20.80	-25.11	-28.66	-31.33	-33.05
XBADJ	EP9944	-33.77	-33.46	-32.72	-33.29	-32.85	-31.42
XBADJ	EP9944	-29.02	40.34	-127.40	-128.36	-125.42	-7.88
XBADJ	EP9945	-141.89	-148.01	-139.45	-135.09	-171.05	-182.37
XBADJ	EP9945	-188.14	-188.20	-185.94	-202.24	-204.66	-200.86
XBADJ	EP9945	-190.95	-175.25	-17.87	-15.25	-12.17	-10.44
XBADJ	EP9945	-15.23	-19.56	-23.29	-26.32	-28.54	-29.90
XBADJ	EP9945	-30.35	-29.88	-29.08	-29.71	-29.43	-28.26
XBADJ	EP9945	-26.24	-23.41	-125.58	-127.11	-124.79	-7.88
XBADJ	EP9946	-141.97	-148.17	-139.67	-135.38	-171.40	-182.76
XBADJ	EP9946	-188.57	-188.64	-186.39	-202.68	-205.08	-201.25
XBADJ	EP9946	-191.30	-175.53	-18.10	-15.41	-12.25	-10.44
XBADJ	EP9946	-15.15	-19.40	-23.07	-26.03	-28.20	-29.51
XBADJ	EP9946	-29.93	-29.44	-28.63	-29.26	-29.01	-27.87
XBADJ	EP9946	-25.89	-23.12	-125.35	-126.96	-124.71	-7.88
XBADJ	EP9947	-142.05	-148.32	-139.90	-135.67	-172.02	-183.15
XBADJ	EP9947	-188.99	-189.09	-186.84	-203.13	-205.50	-201.64
XBADJ	EP9947	-191.64	-175.82	-18.32	-15.56	-12.33	-10.44
XBADJ	EP9947	-15.07	-19.25	-22.84	-25.74	-27.85	-29.12
XBADJ	EP9947	-29.51	-28.99	-28.18	-28.82	-28.59	-27.48
XBADJ	EP9947	-25.55	-22.83	-125.13	-126.81	-124.63	-7.88
XBADJ	EP9948	-142.13	-148.48	-140.13	-135.96	-172.38	-183.55
XBADJ	EP9948	-189.42	-189.54	-187.30	-203.58	-205.94	-202.03

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

XBADJ	EP9948	-191.99	-176.12	-18.55	-15.72	-12.41	-10.44
XBADJ	EP9948	-14.99	-19.09	-22.61	-25.44	-27.50	-28.72
XBADJ	EP9948	-29.07	-28.54	-27.72	-28.37	-28.16	-27.09
XBADJ	EP9948	-25.19	-22.54	-124.90	-126.65	-124.55	-7.88
XBADJ	EP9949	-137.13	-137.46	-145.56	-147.14	-161.44	-170.84
XBADJ	EP9949	-175.05	-173.94	-170.94	-186.96	-189.56	-186.41
XBADJ	EP9949	-177.58	-163.37	-7.84	-7.38	-6.69	-7.52
XBADJ	EP9949	-14.96	-21.94	-28.26	-33.72	-38.16	-41.43
XBADJ	EP9949	-43.45	-44.14	-44.08	-44.99	-44.53	-42.71
XBADJ	EP9949	37.96	30.80	-135.61	-134.99	-16.60	-132.62
XBADJ	EP9950	-137.20	-137.62	-145.79	-165.64	-161.78	-171.23
XBADJ	EP9950	-175.47	-174.38	-171.39	-187.41	-189.99	-186.80
XBADJ	EP9950	-177.93	-163.66	-8.07	-7.53	-6.77	-7.52
XBADJ	EP9950	-14.88	-21.79	-28.04	-33.43	-37.81	-41.04
XBADJ	EP9950	-43.03	-43.70	-43.63	-44.54	-44.10	-42.32
XBADJ	EP9950	38.31	31.09	-135.38	-134.83	-16.52	-132.62
XBADJ	EP9951	-137.28	-137.77	-146.01	-165.93	-162.13	-171.62
XBADJ	EP9951	-175.89	-174.82	-171.84	-187.85	-190.41	-187.19
XBADJ	EP9951	-178.27	-163.95	-8.29	-7.69	-6.85	-7.52
XBADJ	EP9951	-14.80	-21.64	-27.81	-33.14	-37.47	-40.65
XBADJ	EP9951	-42.60	-43.26	-43.18	-44.10	-43.68	-41.93
XBADJ	EP9951	38.65	31.38	-135.16	-134.68	-16.44	-132.62
XBADJ	EP9952	-137.36	-137.93	-146.24	-166.23	-162.48	-172.02
XBADJ	EP9952	-176.32	-175.28	-172.30	-188.30	-190.84	-187.58
XBADJ	EP9952	-178.63	-164.24	-8.52	-7.84	-6.93	-7.52
XBADJ	EP9952	-14.72	-21.48	-27.58	-32.85	-37.11	-40.25
XBADJ	EP9952	-42.17	-42.81	-42.72	-43.65	-43.25	-41.54
XBADJ	EP9952	39.01	31.67	-134.93	-134.52	-16.36	-132.62
XBADJ	EP9953	-143.03	-147.34	-136.98	-130.90	-165.27	-175.17
XBADJ	EP9953	-179.75	-178.86	-175.94	-191.89	-194.26	-190.74
XBADJ	EP9953	-181.41	-166.58	-10.34	-9.09	-7.56	-7.52
XBADJ	EP9953	-14.09	-20.23	-25.76	-30.51	-34.33	-37.10
XBADJ	EP9953	-38.75	-39.22	-39.08	-40.06	-39.83	-38.38
XBADJ	EP9953	-35.77	34.01	-133.11	-133.28	-129.40	-10.80
XBADJ	EP9954	-143.11	-147.49	-137.20	-131.19	-165.62	-175.56
XBADJ	EP9954	-180.17	-179.30	-176.39	-192.33	-194.69	-191.13
XBADJ	EP9954	-181.76	-166.87	-10.57	-9.24	-7.64	-7.52
XBADJ	EP9954	-14.01	-20.08	-25.54	-30.22	-33.98	-36.71
XBADJ	EP9954	-38.33	-38.78	-38.63	-39.62	-39.41	-37.99
XBADJ	EP9954	-35.43	34.30	-132.88	-133.12	-129.32	-10.80
XBADJ	EP9955	-143.19	-147.65	-137.43	-131.48	-165.96	-175.95
XBADJ	EP9955	-180.59	-179.75	-176.84	-192.77	-195.11	-191.52
XBADJ	EP9955	-182.10	-167.16	-10.79	-9.40	-7.72	-7.52
XBADJ	EP9955	-13.93	-19.93	-25.31	-29.93	-33.64	-36.32
XBADJ	EP9955	-37.90	-38.33	-38.18	-39.18	-38.98	-37.60
XBADJ	EP9955	-35.08	34.59	-132.66	-132.97	-129.24	-10.80
XBADJ	EP9956	-143.27	-147.80	-137.66	-131.77	-166.31	-176.35
XBADJ	EP9956	-181.02	-180.20	-177.30	-193.23	-195.54	-191.91
XBADJ	EP9956	-182.46	-167.45	-11.02	-9.55	-7.80	-7.52
XBADJ	EP9956	-13.86	-19.77	-25.08	-29.63	-33.28	-35.92
XBADJ	EP9956	-37.47	-37.88	-37.72	-38.72	-38.55	-37.21
XBADJ	EP9956	-34.73	34.89	-132.43	-132.81	-129.16	-10.80
XBADJ	EP9957	-143.90	-149.05	-139.48	-134.11	-169.10	-179.50
XBADJ	EP9957	-184.44	-183.78	-180.94	-196.81	-198.96	-195.07
XBADJ	EP9957	-185.24	-169.79	-12.84	-10.80	-8.43	-7.52
XBADJ	EP9957	-13.22	-18.52	-23.26	-27.29	-30.50	-32.77
XBADJ	EP9957	-34.05	-34.30	-34.08	-35.14	-35.13	-34.05
XBADJ	EP9957	-31.94	37.23	-130.61	-131.57	-128.53	-10.80
XBADJ	EP9958	-143.98	-149.20	-139.70	-134.40	-169.45	-179.89
XBADJ	EP9958	-184.87	-184.23	-181.39	-197.25	-199.38	-195.46

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XBADJ	EP9958	-185.59	-170.08	-13.07	-10.95	-8.51	-7.52
XBADJ	EP9958	-13.14	-18.37	-23.04	-27.00	-30.15	-32.38
XBADJ	EP9958	-33.63	-33.85	-33.63	-34.70	-34.71	-33.66
XBADJ	EP9958	-31.60	37.52	-130.38	-131.41	-128.45	-10.80
XBADJ	EP9959	-144.06	-149.36	-139.93	-134.69	-169.79	-180.28
XBADJ	EP9959	-185.29	-184.67	-181.84	-197.70	-199.81	-195.85
XBADJ	EP9959	-185.93	-170.37	-13.29	-11.11	-8.58	-7.52
XBADJ	EP9959	-13.07	-18.22	-22.81	-26.72	-29.81	-31.99
XBADJ	EP9959	-33.21	-33.41	-33.18	-34.25	-34.28	-33.27
XBADJ	EP9959	-31.25	37.81	-130.16	-131.26	-128.37	-10.80
XBADJ	EP9960	-144.14	-149.51	-140.16	-134.99	-170.14	-180.68
XBADJ	EP9960	-185.72	-185.12	-182.30	-198.15	-200.24	-196.24
XBADJ	EP9960	-186.29	-170.67	-13.52	-11.26	-8.66	-7.52
XBADJ	EP9960	-12.99	-18.06	-22.58	-26.42	-29.45	-31.59
XBADJ	EP9960	-32.77	-32.96	-32.72	-33.80	-33.85	-32.88
XBADJ	EP9960	-30.90	38.10	-129.93	-131.10	-128.29	-10.80
XBADJ	EP9961	-144.77	-150.76	-141.98	-137.33	-172.93	-183.83
XBADJ	EP9961	-189.14	-188.71	-185.94	-201.73	-203.66	-199.40
XBADJ	EP9961	-189.08	-173.01	-15.34	-12.51	-9.30	-7.52
XBADJ	EP9961	-12.35	-16.81	-20.76	-24.08	-26.67	-28.44
XBADJ	EP9961	-29.35	-29.37	-29.08	-30.21	-30.43	-29.72
XBADJ	EP9961	-28.11	-25.65	-128.11	-129.86	-127.66	-10.80
XBADJ	EP9962	-144.85	-150.91	-142.20	-137.62	-173.28	-184.22
XBADJ	EP9962	-189.56	-189.15	-186.39	-202.18	-204.08	-199.79
XBADJ	EP9962	-189.42	-173.30	-15.57	-12.66	-9.37	-7.52
XBADJ	EP9962	-12.28	-16.66	-20.54	-23.79	-26.32	-28.05
XBADJ	EP9962	-28.93	-28.93	-28.63	-29.77	-30.01	-29.33
XBADJ	EP9962	-27.77	-25.36	-127.88	-129.70	-127.58	-10.80
XBADJ	EP9963	-144.92	-151.07	-142.43	-137.91	-173.62	-184.61
XBADJ	EP9963	-189.99	-189.59	-186.84	-202.62	-204.51	-200.18
XBADJ	EP9963	-189.76	-173.59	-15.79	-12.82	-9.45	-7.52
XBADJ	EP9963	-12.20	-16.51	-20.31	-23.50	-25.98	-27.66
XBADJ	EP9963	-28.51	-28.49	-28.18	-29.33	-29.59	-28.94
XBADJ	EP9963	-27.42	-25.07	-127.66	-129.55	-127.51	-10.80
XBADJ	EP9964	-145.00	-151.22	-142.66	-138.20	-173.97	-185.01
XBADJ	EP9964	-190.42	-190.05	-187.30	-203.07	-204.94	-200.57
XBADJ	EP9964	-190.12	-18.58	-16.02	-12.97	-9.53	-7.52
XBADJ	EP9964	-12.12	-16.35	-20.08	-23.21	-25.62	-27.26
XBADJ	EP9964	-28.08	-28.03	-27.72	-28.88	-29.15	-28.55
XBADJ	EP9964	-27.07	-24.77	-127.43	-129.39	-127.43	-10.80
XBADJ	STACK1	0.00	-30.34	-36.78	-42.10	-46.14	-48.78
XBADJ	STACK1	-49.94	-141.03	-142.37	-143.78	-140.81	-46.54
XBADJ	STACK1	-43.00	-38.14	-32.14	-42.13	4.36	0.00
XBADJ	STACK1	0.00	-1.64	2.64	6.85	10.85	14.52
XBADJ	STACK1	17.74	17.13	21.74	18.99	15.66	11.85
XBADJ	STACK1	7.69	3.29	-1.21	16.97	-15.71	0.00
XBADJ	NM2	43.76	-23.98	-31.97	-39.00	0.00	0.00
XBADJ	NM2	0.00	-59.96	-63.29	-244.30	-232.90	-246.77
XBADJ	NM2	-253.15	-251.83	-242.86	-228.77	-212.24	-100.07
XBADJ	NM2	-99.81	-37.63	-33.84	-29.03	0.00	0.00
XBADJ	NM2	0.00	26.99	28.53	61.12	115.64	120.61
XBADJ	NM2	121.91	119.51	17.29	99.80	80.89	-6.06
XBADJ	NM1	-12.30	-21.16	-29.38	0.00	0.00	0.00
XBADJ	NM1	0.00	-59.44	-63.29	-244.82	-233.93	-248.27
XBADJ	NM1	-255.08	-254.13	-245.46	-231.59	-215.20	-103.07
XBADJ	NM1	-102.77	-40.45	-36.44	0.00	0.00	0.00
XBADJ	NM1	0.00	26.46	28.53	61.64	116.67	122.11
XBADJ	NM1	123.84	121.81	19.88	102.62	83.85	-3.06
XBADJ	BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	BUZZI	0.00	0.00	0.00	0.00	0.00	0.00

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XBADJ	BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	BUZZI	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP5	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	QCEP6	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	EP61	-29.42	274.29	237.09	192.68	24.63	13.86
YBADJ	EP61	2.67	45.42	34.56	22.65	10.06	13.47
YBADJ	EP61	-1.41	-16.23	24.90	5.69	-13.68	26.29
YBADJ	EP61	-303.16	-274.29	-237.09	-192.68	-24.63	-29.80
YBADJ	EP61	-19.66	-45.42	-34.56	13.01	23.56	2.85
YBADJ	EP61	15.67	28.02	0.48	19.39	3.05	-13.39
YBADJ	EP98	-10.62	-9.28	-7.67	47.31	24.74	42.88
YBADJ	EP98	22.05	0.56	-21.81	6.76	8.50	9.98
YBADJ	EP98	11.16	12.00	12.48	12.57	12.29	11.63
YBADJ	EP98	10.62	9.28	7.67	5.82	3.79	1.65
YBADJ	EP98	-0.54	-2.72	-4.81	-6.76	-8.50	-9.98
YBADJ	EP98	-11.16	-12.00	-12.48	-12.57	-12.29	-11.63
YBADJ	EPAA	-4.15	-12.30	-20.08	51.25	24.91	-2.18
YBADJ	EPAA	-29.20	31.55	6.41	-18.10	-42.05	0.00
YBADJ	EPAA	0.00	16.04	-27.24	4.93	-0.94	-6.78
YBADJ	EPAA	-12.41	-17.67	0.00	27.25	0.00	0.00
YBADJ	EPAA	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	EPAA	0.00	-16.04	27.24	20.07	12.28	4.13
YBADJ	EP991	7.46	-13.09	-25.10	-17.01	-38.40	33.28
YBADJ	EP991	13.95	-5.80	16.54	-3.19	17.07	-5.92
YBADJ	EP991	-28.74	-50.69	-71.09	20.49	20.16	19.22
YBADJ	EP991	17.70	15.63	13.09	10.16	6.92	3.46
YBADJ	EP991	-0.10	-3.65	-7.10	-10.33	-13.25	-15.76
YBADJ	EP991	-17.79	62.33	4.66	-13.40	-20.16	27.77
YBADJ	EP992	7.90	-12.67	-24.71	-16.67	-38.11	33.50
YBADJ	EP992	14.10	-5.72	16.54	-3.27	16.92	-6.15
YBADJ	EP992	-29.03	-51.03	-71.48	20.07	19.72	18.77
YBADJ	EP992	17.25	15.21	12.71	9.81	6.63	3.24
YBADJ	EP992	-0.25	-3.73	-7.10	-10.25	-13.09	-15.53
YBADJ	EP992	-17.50	62.68	5.05	-12.97	-19.72	28.22
YBADJ	EP993	8.34	-12.24	-24.32	-16.32	-37.82	33.73
YBADJ	EP993	14.26	-5.64	16.54	-3.35	16.77	-6.37
YBADJ	EP993	-29.32	-51.38	-71.87	19.64	19.27	18.32
YBADJ	EP993	16.81	14.79	12.32	9.47	6.34	3.01
YBADJ	EP993	-0.41	-3.81	-7.10	-10.17	-12.94	-15.31
YBADJ	EP993	-17.21	63.02	5.44	-12.55	-19.27	28.67
YBADJ	EP994	8.79	-11.81	-23.92	-15.97	-37.52	33.96
YBADJ	EP994	14.42	-5.56	16.54	-3.43	16.61	-6.60
YBADJ	EP994	-29.62	-51.73	-72.27	19.21	18.82	17.86
YBADJ	EP994	16.36	14.35	11.92	9.12	6.04	2.78
YBADJ	EP994	-0.56	-3.89	-7.10	-10.09	-12.78	-15.08
YBADJ	EP994	-16.92	63.38	5.84	-12.12	-18.82	29.13
YBADJ	EP995	12.38	-8.39	-20.77	-13.18	-35.18	35.78
YBADJ	EP995	15.66	-4.93	16.54	-4.06	15.36	-8.42

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YBADJ	EP995	-31.96	-54.52	15.86	15.79	15.24	14.22
YBADJ	EP995	12.77	10.93	8.76	6.33	3.70	0.96
YBADJ	EP995	-1.81	-4.52	-7.10	-9.46	-11.54	-13.26
YBADJ	EP995	-14.58	66.16	8.99	-8.70	-15.24	-14.22
YBADJ	EP996	12.82	-7.97	-20.38	-12.84	-34.89	36.00
YBADJ	EP996	15.81	-4.85	16.54	-4.14	15.21	-8.65
YBADJ	EP996	-32.25	-54.86	15.48	15.37	14.79	13.77
YBADJ	EP996	12.33	10.51	8.38	5.98	3.41	0.74
YBADJ	EP996	-1.96	-4.60	-7.10	-9.38	-11.38	-13.03
YBADJ	EP996	-14.29	26.76	9.38	-8.28	-25.68	-13.77
YBADJ	EP997	13.27	-7.55	-19.99	-12.49	-34.60	36.23
YBADJ	EP997	15.97	-4.78	16.54	-4.21	15.06	-8.87
YBADJ	EP997	-32.54	-55.21	15.09	14.95	14.35	13.32
YBADJ	EP997	11.88	10.09	7.99	5.64	3.12	0.51
YBADJ	EP997	-2.12	-4.68	-7.10	-9.31	-11.23	-12.81
YBADJ	EP997	-14.00	27.10	9.77	-7.85	-25.24	-13.32
YBADJ	EP998	13.72	-7.11	-27.76	-33.07	55.68	36.46
YBADJ	EP998	16.13	-4.70	16.54	-4.29	14.90	-9.10
YBADJ	EP998	-32.83	-55.56	14.69	14.51	13.90	12.86
YBADJ	EP998	11.43	9.66	7.59	5.29	2.83	0.28
YBADJ	EP998	-2.27	-4.76	-7.10	-9.23	-11.07	-12.58
YBADJ	EP998	-13.71	27.45	10.17	-7.42	-24.79	-12.86
YBADJ	EP999	17.30	-3.69	-24.60	-30.29	-31.97	38.28
YBADJ	EP999	17.37	-4.06	16.54	37.82	13.65	-10.92
YBADJ	EP999	-35.17	-58.35	11.53	11.09	10.31	9.22
YBADJ	EP999	7.85	6.24	4.43	2.50	0.49	-1.54
YBADJ	EP999	-3.52	-5.39	-7.10	-8.59	-9.83	-10.76
YBADJ	EP999	-11.37	30.24	13.32	-4.00	-21.20	-9.22
YBADJ	EP9910	17.75	-3.27	-24.21	-29.94	-31.68	38.50
YBADJ	EP9910	17.52	-3.99	16.54	37.74	13.50	-11.15
YBADJ	EP9910	-35.46	-58.69	11.15	10.67	9.87	8.77
YBADJ	EP9910	7.40	5.81	4.05	2.15	0.20	-1.76
YBADJ	EP9910	-3.67	-5.47	-7.10	-8.52	-9.67	-10.53
YBADJ	EP9910	-11.08	30.59	13.71	-3.58	-20.76	-8.77
YBADJ	EP9911	18.19	-2.85	-23.82	-29.60	-31.39	38.73
YBADJ	EP9911	17.68	-3.91	16.54	37.66	13.35	-11.37
YBADJ	EP9911	-35.75	-59.04	10.76	10.25	9.43	8.32
YBADJ	EP9911	6.96	5.39	3.66	1.81	-0.09	-1.99
YBADJ	EP9911	-3.83	-5.55	-7.10	-8.44	-9.52	-10.31
YBADJ	EP9911	-10.79	30.93	14.10	-3.15	-20.32	-8.32
YBADJ	EP9912	18.64	-2.42	-23.42	-29.24	-31.09	38.96
YBADJ	EP9912	17.84	-3.83	16.54	37.58	13.19	-11.60
YBADJ	EP9912	-36.04	-59.39	10.36	9.81	8.97	7.86
YBADJ	EP9912	6.51	4.96	3.26	1.46	-0.39	-2.22
YBADJ	EP9912	-3.98	-5.63	-7.10	-8.36	-9.36	-10.08
YBADJ	EP9912	-10.49	31.28	14.50	-2.72	-19.86	-7.86
YBADJ	EP9913	22.23	1.00	-20.27	-33.81	-28.75	40.78
YBADJ	EP9913	19.08	-3.20	16.54	36.95	11.94	-13.42
YBADJ	EP9913	-38.38	-62.18	7.20	6.39	5.39	4.22
YBADJ	EP9913	2.92	1.54	0.10	-1.33	-2.73	-4.04
YBADJ	EP9913	-5.23	-6.26	-7.10	-7.72	-8.12	-8.26
YBADJ	EP9913	-8.15	-7.80	17.65	0.70	-16.28	-4.22
YBADJ	EP9914	22.67	1.43	-19.88	-33.47	-28.47	41.00
YBADJ	EP9914	19.23	-3.12	16.54	36.87	11.79	-13.65
YBADJ	EP9914	-38.67	-62.52	6.81	5.97	4.95	3.77
YBADJ	EP9914	2.48	1.11	-0.29	-1.68	-3.02	-4.26
YBADJ	EP9914	-5.38	-6.34	-7.10	-7.65	-7.96	-8.03
YBADJ	EP9914	-7.86	-7.45	18.04	1.12	-15.83	-3.77
YBADJ	EP9915	23.11	1.85	-19.49	-33.12	-28.18	41.23
YBADJ	EP9915	19.39	-3.04	16.54	36.79	11.64	-13.87

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

YBADJ	EP9915	-38.96	-62.87	6.43	5.55	4.50	3.32
YBADJ	EP9915	2.04	0.69	-0.67	-2.02	-3.30	-4.49
YBADJ	EP9915	-5.54	-6.42	-7.10	-7.57	-7.81	-7.81
YBADJ	EP9915	-7.57	-7.11	18.43	1.54	-15.39	-3.32
YBADJ	EP9916	23.57	2.28	-19.09	-32.77	-27.88	41.46
YBADJ	EP9916	19.55	-2.96	16.54	36.71	11.48	-14.10
YBADJ	EP9916	-39.26	-63.22	6.03	5.12	4.05	2.86
YBADJ	EP9916	1.58	0.26	-1.07	-2.37	-3.60	-4.72
YBADJ	EP9916	-5.69	-6.50	-7.10	-7.49	-7.65	-7.58
YBADJ	EP9916	-7.28	-6.75	18.83	1.98	-14.94	-2.86
YBADJ	EP9917	6.95	-14.09	-26.55	-39.82	49.36	30.76
YBADJ	EP9917	11.22	-8.67	13.63	36.69	14.34	-8.44
YBADJ	EP9917	-30.97	-52.56	18.74	19.49	19.66	19.22
YBADJ	EP9917	18.20	16.63	14.55	12.03	9.14	5.98
YBADJ	EP9917	2.64	-0.79	-4.19	-7.46	-10.51	-13.24
YBADJ	EP9917	-15.56	64.20	6.12	-12.40	-19.66	27.77
YBADJ	EP9918	7.39	-13.66	-26.16	-39.47	49.65	30.98
YBADJ	EP9918	11.37	-8.59	13.63	36.61	14.18	-8.67
YBADJ	EP9918	-31.26	-52.90	18.35	19.07	19.21	18.77
YBADJ	EP9918	17.76	16.20	14.16	11.69	8.86	5.76
YBADJ	EP9918	2.48	-0.87	-4.19	-7.39	-10.36	-13.01
YBADJ	EP9918	-15.27	64.55	6.51	-11.98	-19.21	28.22
YBADJ	EP9919	7.84	-13.24	-25.77	-39.13	49.94	31.21
YBADJ	EP9919	11.52	-8.51	13.63	36.53	14.03	-8.89
YBADJ	EP9919	-31.55	-53.25	17.96	18.65	18.77	18.32
YBADJ	EP9919	17.31	15.78	13.77	11.34	8.57	5.53
YBADJ	EP9919	2.33	-0.95	-4.19	-7.31	-10.20	-12.79
YBADJ	EP9919	-14.99	64.89	6.90	-11.56	-18.77	28.67
YBADJ	EP9920	8.29	-12.81	-25.38	-38.78	50.24	31.44
YBADJ	EP9920	11.68	-8.43	13.63	36.45	13.87	-9.12
YBADJ	EP9920	-31.85	-53.60	17.56	18.22	18.32	17.86
YBADJ	EP9920	16.86	15.35	13.37	10.99	8.27	5.30
YBADJ	EP9920	2.17	-1.03	-4.19	-7.23	-10.05	-12.56
YBADJ	EP9920	-14.69	65.25	7.30	-11.12	-18.32	29.13
YBADJ	EP9921	11.87	-9.39	-22.22	-35.99	52.58	33.26
YBADJ	EP9921	12.93	-7.80	13.63	35.82	12.63	-10.94
YBADJ	EP9921	-34.19	-56.39	14.41	14.80	14.73	14.22
YBADJ	EP9921	13.28	11.93	10.22	8.20	5.93	3.48
YBADJ	EP9921	0.93	-1.66	-4.19	-6.60	-8.80	-10.74
YBADJ	EP9921	-12.35	68.03	10.45	-7.70	-25.62	-14.22
YBADJ	EP9922	12.32	-8.96	-21.83	-35.64	52.87	33.48
YBADJ	EP9922	13.08	-7.72	13.63	35.74	12.47	-11.17
YBADJ	EP9922	-34.48	-56.73	14.02	14.37	14.29	13.77
YBADJ	EP9922	12.83	11.51	9.83	7.86	5.64	3.26
YBADJ	EP9922	0.77	-1.74	-4.19	-6.52	-8.65	-10.51
YBADJ	EP9922	-12.06	68.38	10.84	-7.28	-25.18	-13.77
YBADJ	EP9923	12.76	-8.54	-21.44	-35.30	53.16	33.71
YBADJ	EP9923	13.23	-7.64	13.63	35.66	12.32	-11.39
YBADJ	EP9923	-34.76	-57.08	13.63	13.95	13.85	13.32
YBADJ	EP9923	12.39	11.08	9.44	7.51	5.35	3.03
YBADJ	EP9923	0.62	-1.81	-4.19	-6.44	-8.49	-10.29
YBADJ	EP9923	-11.77	68.72	11.23	-6.86	-24.73	-13.32
YBADJ	EP9924	13.21	-8.11	-21.05	-34.95	53.45	33.94
YBADJ	EP9924	13.39	-7.56	13.63	35.58	12.16	-11.62
YBADJ	EP9924	-35.06	-57.43	13.23	13.52	13.39	12.86
YBADJ	EP9924	11.94	10.65	9.04	7.16	5.06	2.80
YBADJ	EP9924	0.46	-1.89	-4.19	-6.36	-8.34	-10.06
YBADJ	EP9924	-11.48	69.08	11.63	-6.43	-24.28	-12.86
YBADJ	EP9925	16.80	-4.69	-26.06	-32.16	55.79	35.76
YBADJ	EP9925	14.64	-6.93	13.63	34.95	10.92	-13.44

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

YBADJ	EP9925	-37.40	-60.22	10.08	10.10	9.81	9.22
YBADJ	EP9925	8.35	7.23	5.89	4.37	2.72	0.98
YBADJ	EP9925	-0.78	-2.53	-4.19	-5.73	-7.09	-8.24
YBADJ	EP9925	-9.14	32.11	14.78	-3.00	-20.70	-9.22
YBADJ	EP9926	17.24	-4.27	-25.67	-31.81	56.08	35.98
YBADJ	EP9926	14.79	-6.85	13.63	34.87	10.76	-13.67
YBADJ	EP9926	-37.69	-60.56	9.69	9.67	9.36	8.77
YBADJ	EP9926	7.91	6.81	5.50	4.02	2.43	0.76
YBADJ	EP9926	-0.94	-2.60	-4.19	-5.65	-6.94	-8.01
YBADJ	EP9926	-8.85	32.46	15.17	-2.58	-20.25	-8.77
YBADJ	EP9927	17.68	-3.84	-25.28	-31.47	56.37	36.21
YBADJ	EP9927	14.94	-6.77	13.63	34.79	10.61	-13.89
YBADJ	EP9927	-37.98	-60.91	9.30	9.25	8.92	8.32
YBADJ	EP9927	7.47	6.39	5.11	3.68	2.14	0.53
YBADJ	EP9927	-1.09	-2.68	-4.19	-5.57	-6.78	-7.79
YBADJ	EP9927	-8.56	-9.07	15.56	-2.16	-19.81	-8.32
YBADJ	EP9928	18.14	-3.41	-24.88	-31.11	56.67	36.44
YBADJ	EP9928	15.10	-6.69	13.63	34.71	10.45	-14.12
YBADJ	EP9928	-38.27	-61.26	8.90	8.82	8.47	7.86
YBADJ	EP9928	7.01	5.95	4.71	3.33	1.84	0.30
YBADJ	EP9928	-1.25	-2.76	-4.19	-5.49	-6.63	-7.56
YBADJ	EP9928	-8.26	-8.71	15.96	-1.73	-19.36	-7.86
YBADJ	EP9929	21.72	0.01	-21.73	-28.33	-30.98	38.26
YBADJ	EP9929	16.35	-6.06	13.63	34.08	9.21	-15.94
YBADJ	EP9929	-40.61	-64.05	5.75	5.40	4.88	4.22
YBADJ	EP9929	3.43	2.53	1.56	0.54	-0.50	-1.52
YBADJ	EP9929	-2.49	-3.39	-4.19	-4.86	-5.38	-5.74
YBADJ	EP9929	-5.92	-5.93	19.11	1.69	-15.77	-4.22
YBADJ	EP9930	22.17	0.43	-21.34	-27.98	-30.69	38.48
YBADJ	EP9930	16.50	-5.98	13.63	34.00	9.05	-16.17
YBADJ	EP9930	-40.90	-64.39	5.36	4.98	4.44	3.77
YBADJ	EP9930	2.99	2.11	1.17	0.19	-0.79	-1.74
YBADJ	EP9930	-2.65	-3.47	-4.19	-4.78	-5.23	-5.51
YBADJ	EP9930	-5.63	-5.58	19.50	2.12	-15.33	-3.77
YBADJ	EP9931	22.61	0.86	-20.95	-27.64	-30.41	38.71
YBADJ	EP9931	16.65	-5.91	13.63	33.93	8.90	-16.39
YBADJ	EP9931	-41.19	-64.74	4.97	4.55	4.00	3.32
YBADJ	EP9931	2.54	1.69	0.78	-0.15	-1.08	-1.97
YBADJ	EP9931	-2.80	-3.55	-4.19	-4.70	-5.07	-5.29
YBADJ	EP9931	-5.34	-5.24	19.89	2.54	-14.89	-3.32
YBADJ	EP9932	23.06	1.29	-20.55	-27.28	-30.11	38.94
YBADJ	EP9932	16.81	-5.83	13.63	33.85	8.74	-16.62
YBADJ	EP9932	-41.49	-65.09	4.57	4.12	3.54	2.86
YBADJ	EP9932	2.09	1.25	0.38	-0.50	-1.37	-2.20
YBADJ	EP9932	-2.96	-3.63	-4.19	-4.62	-4.92	-5.06
YBADJ	EP9932	-5.05	-4.88	20.29	2.97	-14.43	-2.86
YBADJ	EP9933	6.44	-15.08	-28.01	-20.75	47.13	28.24
YBADJ	EP9933	8.48	-11.53	10.72	33.82	11.60	-10.96
YBADJ	EP9933	-33.20	-54.43	17.29	18.50	19.15	19.22
YBADJ	EP9933	18.71	17.62	16.01	13.90	11.37	8.50
YBADJ	EP9933	5.37	2.08	-1.28	-4.60	-7.78	-10.72
YBADJ	EP9933	48.15	66.07	7.57	-11.41	-19.15	27.77
YBADJ	EP9934	6.89	-14.66	-27.62	-20.41	47.42	28.46
YBADJ	EP9934	8.64	-11.45	10.72	33.74	11.45	-11.19
YBADJ	EP9934	-33.49	-54.77	16.90	18.08	18.71	18.77
YBADJ	EP9934	18.26	17.20	15.62	13.56	11.08	8.28
YBADJ	EP9934	5.22	2.00	-1.28	-4.52	-7.62	-10.49
YBADJ	EP9934	48.44	66.42	7.96	-10.98	-18.71	28.22
YBADJ	EP9935	7.33	-14.24	-27.23	-20.06	47.71	28.69
YBADJ	EP9935	8.79	-11.38	10.72	33.66	11.30	-11.41

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YBADJ	EP9935	-33.78	-55.12	16.51	17.65	18.26	18.32
YBADJ	EP9935	17.82	16.78	15.23	13.21	10.80	8.05
YBADJ	EP9935	5.06	1.92	-1.28	-4.44	-7.47	-10.27
YBADJ	EP9935	48.73	66.76	8.35	-10.56	-18.26	28.67
YBADJ	EP9936	7.78	-13.80	-26.83	-19.71	48.01	28.92
YBADJ	EP9936	8.95	-11.30	10.72	33.58	11.14	-11.64
YBADJ	EP9936	-34.08	-55.47	16.11	17.22	17.81	17.86
YBADJ	EP9936	17.37	16.35	14.83	12.86	10.50	7.82
YBADJ	EP9936	4.91	1.84	-1.28	-4.36	-7.31	-10.04
YBADJ	EP9936	-12.46	67.12	8.75	-10.13	-17.81	29.13
YBADJ	EP9937	11.37	-10.38	-23.68	-37.86	50.35	30.74
YBADJ	EP9937	10.19	-10.66	10.72	32.95	9.89	-13.46
YBADJ	EP9937	-36.42	-58.26	12.95	13.80	14.23	14.22
YBADJ	EP9937	13.78	12.92	11.67	10.07	8.16	6.00
YBADJ	EP9937	3.66	1.21	-1.28	-3.73	-6.07	-8.22
YBADJ	EP9937	-10.12	69.91	11.90	-6.71	-25.12	-14.22
YBADJ	EP9938	11.81	-9.96	-23.29	-37.51	50.64	30.96
YBADJ	EP9938	10.35	-10.59	10.72	32.87	9.74	-13.69
YBADJ	EP9938	-36.70	-58.60	12.57	13.38	13.78	13.77
YBADJ	EP9938	13.34	12.50	11.29	9.73	7.87	5.78
YBADJ	EP9938	3.51	1.13	-1.28	-3.65	-5.91	-7.99
YBADJ	EP9938	-9.83	70.25	12.29	-6.28	-24.67	-13.77
YBADJ	EP9939	12.26	-9.54	-22.90	-37.17	50.93	31.19
YBADJ	EP9939	10.50	-10.51	10.72	32.80	9.59	-13.91
YBADJ	EP9939	-36.99	-58.95	12.18	12.95	13.34	13.32
YBADJ	EP9939	12.90	12.08	10.90	9.38	7.58	5.55
YBADJ	EP9939	3.35	1.05	-1.28	-3.57	-5.76	-7.77
YBADJ	EP9939	-9.54	70.59	12.68	-5.86	-24.23	-13.32
YBADJ	EP9940	12.71	-9.10	-22.50	-36.82	51.22	31.42
YBADJ	EP9940	10.66	-10.43	10.72	32.72	9.43	-14.14
YBADJ	EP9940	-37.29	-59.30	11.78	12.52	12.89	12.86
YBADJ	EP9940	12.44	11.65	10.50	9.03	7.29	5.32
YBADJ	EP9940	3.20	0.97	-1.28	-3.49	-5.60	-7.54
YBADJ	EP9940	-9.25	70.95	13.08	-5.43	-23.78	-12.86
YBADJ	EP9941	16.29	-5.68	-27.51	-34.03	53.56	33.24
YBADJ	EP9941	11.90	-9.80	10.72	32.08	8.18	-15.96
YBADJ	EP9941	-39.63	-62.09	8.62	9.10	9.30	9.22
YBADJ	EP9941	8.86	8.23	7.34	6.24	4.95	3.50
YBADJ	EP9941	1.95	0.34	-1.28	-2.86	-4.36	-5.72
YBADJ	EP9941	-6.91	73.74	16.23	-2.01	-20.19	-9.22
YBADJ	EP9942	16.74	-5.26	-27.12	-33.68	53.85	33.46
YBADJ	EP9942	12.06	-9.72	10.72	32.01	8.03	-16.19
YBADJ	EP9942	-39.92	-62.43	8.24	8.68	8.86	8.77
YBADJ	EP9942	8.41	7.80	6.96	5.90	4.66	3.28
YBADJ	EP9942	1.80	0.26	-1.28	-2.78	-4.20	-5.49
YBADJ	EP9942	-6.62	74.08	16.62	-1.59	-19.75	-8.77
YBADJ	EP9943	17.18	-4.84	-26.73	-33.34	54.14	33.69
YBADJ	EP9943	12.21	-9.64	10.72	31.93	7.88	-16.41
YBADJ	EP9943	-40.21	-62.78	7.85	8.26	8.42	8.32
YBADJ	EP9943	7.97	7.38	6.57	5.55	4.37	3.05
YBADJ	EP9943	1.64	0.18	-1.28	-2.71	-4.05	-5.27
YBADJ	EP9943	-6.33	74.42	17.01	-1.16	-19.31	-8.32
YBADJ	EP9944	17.63	-4.41	-26.33	-32.99	54.44	33.92
YBADJ	EP9944	12.37	-9.56	10.72	31.85	7.72	-16.64
YBADJ	EP9944	-40.50	-63.13	7.45	7.82	7.96	7.86
YBADJ	EP9944	7.52	6.95	6.17	5.20	4.07	2.82
YBADJ	EP9944	1.49	0.10	-1.28	-2.63	-3.89	-5.04
YBADJ	EP9944	-6.03	74.78	17.41	-0.73	-18.85	-7.86
YBADJ	EP9945	30.72	7.98	-11.56	-30.20	56.78	35.74
YBADJ	EP9945	13.61	-8.93	10.72	31.22	6.47	-18.46

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YBADJ	EP9945	-42.84	-65.92	4.29	4.40	4.38	4.22
YBADJ	EP9945	3.93	3.53	3.01	2.41	1.73	1.00
YBADJ	EP9945	0.24	-0.53	-1.28	-1.99	-2.65	-3.22
YBADJ	EP9945	-3.69	-4.06	20.56	2.69	-15.27	-4.22
YBADJ	EP9946	31.17	8.40	-11.17	-29.85	57.07	35.96
YBADJ	EP9946	13.77	-8.85	10.72	31.14	6.32	-18.69
YBADJ	EP9946	-43.13	-66.26	3.90	3.98	3.93	3.77
YBADJ	EP9946	3.49	3.10	2.62	2.07	1.44	0.78
YBADJ	EP9946	0.09	-0.61	-1.28	-1.92	-2.49	-2.99
YBADJ	EP9946	-3.40	-3.71	20.95	3.11	-14.82	-3.77
YBADJ	EP9947	31.61	8.82	-10.78	-29.51	-32.63	36.19
YBADJ	EP9947	13.92	-8.77	10.72	31.06	6.17	-18.91
YBADJ	EP9947	-43.42	-66.61	3.52	3.56	3.49	3.32
YBADJ	EP9947	3.05	2.68	2.24	1.72	1.15	0.55
YBADJ	EP9947	-0.07	-0.68	-1.28	-1.84	-2.34	-2.77
YBADJ	EP9947	-3.11	-3.37	21.34	3.53	-14.38	-3.32
YBADJ	EP9948	32.06	9.25	-10.38	-29.16	-32.34	36.42
YBADJ	EP9948	14.08	-8.69	10.72	30.98	6.01	-19.14
YBADJ	EP9948	-43.72	-66.96	3.12	3.13	3.04	2.86
YBADJ	EP9948	2.59	2.25	1.84	1.37	0.86	0.32
YBADJ	EP9948	-0.22	-0.76	-1.28	-1.76	-2.18	-2.54
YBADJ	EP9948	-2.82	-3.01	21.74	3.97	-13.93	-2.86
YBADJ	EP9949	5.94	-16.08	-29.47	62.72	44.90	25.71
YBADJ	EP9949	5.74	-14.41	7.80	30.95	8.86	-13.49
YBADJ	EP9949	-35.44	-56.31	15.83	17.50	18.64	19.22
YBADJ	EP9949	19.21	18.62	17.47	15.78	13.61	11.03
YBADJ	EP9949	8.11	4.95	1.64	-1.72	-5.03	-8.19
YBADJ	EP9949	50.39	67.95	9.03	-10.41	-18.64	27.77
YBADJ	EP9950	6.38	-15.66	-29.08	-22.29	45.19	25.93
YBADJ	EP9950	5.89	-14.33	7.80	30.87	8.71	-13.72
YBADJ	EP9950	-35.73	-56.65	15.44	17.08	18.20	18.77
YBADJ	EP9950	18.77	18.20	17.08	15.43	13.32	10.81
YBADJ	EP9950	7.96	4.87	1.64	-1.64	-4.88	-7.96
YBADJ	EP9950	50.68	68.30	9.42	-9.98	-18.20	28.22
YBADJ	EP9951	6.82	-15.23	-28.69	-21.94	45.48	26.16
YBADJ	EP9951	6.05	-14.25	7.80	30.79	8.55	-13.94
YBADJ	EP9951	-36.02	-56.99	15.05	16.65	17.76	18.32
YBADJ	EP9951	18.33	17.78	16.69	15.09	13.03	10.58
YBADJ	EP9951	7.81	4.80	1.64	-1.57	-4.72	-7.74
YBADJ	EP9951	50.97	68.64	9.81	-9.56	-17.76	28.67
YBADJ	EP9952	7.28	-14.80	-28.29	-21.59	45.77	26.39
YBADJ	EP9952	6.20	-14.17	7.80	30.71	8.40	-14.17
YBADJ	EP9952	-36.31	-57.35	14.65	16.22	17.30	17.86
YBADJ	EP9952	17.87	17.34	16.29	14.74	12.74	10.35
YBADJ	EP9952	7.65	4.72	1.64	-1.49	-4.57	-7.51
YBADJ	EP9952	51.26	68.99	10.21	-9.13	-17.30	29.13
YBADJ	EP9953	20.37	-2.42	-21.68	-39.73	48.11	28.21
YBADJ	EP9953	7.45	-13.54	7.80	30.08	7.15	-15.99
YBADJ	EP9953	-38.65	-60.14	11.49	12.80	13.72	14.22
YBADJ	EP9953	14.29	13.92	13.13	11.95	10.40	8.53
YBADJ	EP9953	6.40	4.08	1.64	-0.85	-3.32	-5.69
YBADJ	EP9953	-7.88	71.78	13.36	-5.71	-24.61	-14.22
YBADJ	EP9954	20.81	-2.00	-21.29	-39.39	48.40	28.43
YBADJ	EP9954	7.60	-13.46	7.80	30.00	7.00	-16.22
YBADJ	EP9954	-38.94	-60.48	11.11	12.38	13.28	13.77
YBADJ	EP9954	13.85	13.50	12.75	11.60	10.11	8.31
YBADJ	EP9954	6.25	4.01	1.64	-0.78	-3.17	-5.46
YBADJ	EP9954	-7.59	72.13	13.75	-5.29	-24.17	-13.77
YBADJ	EP9955	21.26	-1.57	-20.90	-39.04	48.69	28.66
YBADJ	EP9955	7.76	-13.38	7.80	29.92	6.84	-16.44

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

YBADJ	EP9955	-39.23	-60.82	10.72	11.96	12.83	13.32
YBADJ	EP9955	13.40	13.08	12.36	11.26	9.82	8.08
YBADJ	EP9955	6.10	3.93	1.64	-0.70	-3.01	-5.24
YBADJ	EP9955	-7.31	72.47	14.14	-4.86	-23.72	-13.32
YBADJ	EP9956	21.71	-1.14	-20.50	-38.69	48.99	28.89
YBADJ	EP9956	7.91	-13.30	7.80	29.84	6.69	-16.67
YBADJ	EP9956	-39.53	-61.18	10.32	11.52	12.38	12.86
YBADJ	EP9956	12.95	12.65	11.96	10.91	9.52	7.85
YBADJ	EP9956	5.94	3.85	1.64	-0.62	-2.86	-5.01
YBADJ	EP9956	-7.01	72.82	14.54	-4.43	-23.27	-12.86
YBADJ	EP9957	25.29	2.28	-17.35	-35.90	51.33	30.71
YBADJ	EP9957	9.16	-12.67	7.80	29.21	5.44	-18.49
YBADJ	EP9957	-41.87	-63.97	7.16	8.10	8.80	9.22
YBADJ	EP9957	9.36	9.22	8.80	8.12	7.18	6.03
YBADJ	EP9957	4.69	3.22	1.64	0.01	-1.61	-3.19
YBADJ	EP9957	-4.67	75.61	17.69	-1.01	-19.68	-9.22
YBADJ	EP9958	25.74	2.70	-16.96	-35.56	51.61	30.93
YBADJ	EP9958	9.31	-12.59	7.80	29.13	5.29	-18.72
YBADJ	EP9958	-42.16	-64.31	6.78	7.68	8.35	8.77
YBADJ	EP9958	8.92	8.80	8.42	7.77	6.89	5.81
YBADJ	EP9958	4.54	3.14	1.64	0.09	-1.46	-2.96
YBADJ	EP9958	-4.38	75.96	18.08	-0.59	-19.24	-8.77
YBADJ	EP9959	26.18	3.12	-16.57	-35.21	51.90	31.16
YBADJ	EP9959	9.47	-12.51	7.80	29.05	5.13	-18.94
YBADJ	EP9959	-42.44	-64.66	6.39	7.26	7.91	8.32
YBADJ	EP9959	8.48	8.38	8.03	7.43	6.60	5.58
YBADJ	EP9959	4.39	3.06	1.64	0.17	-1.30	-2.74
YBADJ	EP9959	-4.09	76.30	18.47	-0.16	-18.80	-8.32
YBADJ	EP9960	26.63	3.56	-16.17	-34.86	52.20	31.39
YBADJ	EP9960	9.62	-12.44	7.80	28.97	4.98	-19.17
YBADJ	EP9960	-42.74	-65.01	5.99	6.83	7.46	7.86
YBADJ	EP9960	8.03	7.95	7.63	7.08	6.31	5.35
YBADJ	EP9960	4.23	2.98	1.64	0.25	-1.15	-2.51
YBADJ	EP9960	-3.80	76.65	18.87	0.27	-18.35	-7.86
YBADJ	EP9961	30.22	6.98	-13.02	-32.07	54.54	33.21
YBADJ	EP9961	10.87	-11.80	7.80	28.34	3.73	-20.99
YBADJ	EP9961	-45.08	-67.80	2.83	3.40	3.87	4.22
YBADJ	EP9961	4.44	4.53	4.47	4.29	3.97	3.53
YBADJ	EP9961	2.98	2.35	1.64	0.88	0.10	-0.69
YBADJ	EP9961	-1.46	-2.18	22.02	3.69	-14.76	-4.22
YBADJ	EP9962	30.66	7.40	-12.63	-31.73	54.83	33.43
YBADJ	EP9962	11.02	-11.72	7.80	28.26	3.58	-21.22
YBADJ	EP9962	-45.37	-68.14	2.44	2.98	3.43	3.77
YBADJ	EP9962	4.00	4.10	4.08	3.94	3.68	3.31
YBADJ	EP9962	2.83	2.27	1.64	0.96	0.25	-0.46
YBADJ	EP9962	-1.17	-1.83	22.41	4.11	-14.32	-3.77
YBADJ	EP9963	31.10	7.82	-12.24	-31.38	55.12	33.66
YBADJ	EP9963	11.18	-11.65	7.80	28.18	3.42	-21.44
YBADJ	EP9963	-45.66	-68.49	2.06	2.56	2.98	3.32
YBADJ	EP9963	3.55	3.68	3.70	3.60	3.39	3.08
YBADJ	EP9963	2.68	2.19	1.64	1.04	0.41	-0.24
YBADJ	EP9963	-0.88	-1.49	22.80	4.53	-13.87	-3.32
YBADJ	EP9964	31.56	8.25	-11.84	-31.03	55.41	33.89
YBADJ	EP9964	11.33	-11.57	7.80	28.10	3.26	-21.67
YBADJ	EP9964	-45.95	1.14	1.66	2.13	2.53	2.86
YBADJ	EP9964	3.10	3.25	3.30	3.25	3.09	2.85
YBADJ	EP9964	2.52	2.11	1.64	1.12	0.56	-0.01
YBADJ	EP9964	-0.58	-1.14	23.20	4.97	-13.42	-2.86
YBADJ	STACK1	0.00	32.17	29.20	25.34	20.71	15.46
YBADJ	STACK1	9.74	27.04	4.92	-17.32	-39.05	-19.71

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

YBADJ	STACK1	-24.47	-28.50	-31.65	-26.96	10.59	0.00
YBADJ	STACK1	0.00	-32.17	-29.20	-25.34	-20.71	-15.46
YBADJ	STACK1	-9.74	-12.58	-6.34	8.55	14.35	19.71
YBADJ	STACK1	24.47	28.49	31.65	26.96	-10.59	0.00

YBADJ	NM2	30.03	33.65	34.38	34.06	0.00	0.00
YBADJ	NM2	0.00	17.41	9.61	88.41	69.50	38.45
YBADJ	NM2	6.22	-26.19	-29.35	-56.90	-86.34	-17.05
YBADJ	NM2	-30.03	-33.65	-34.38	-34.06	0.00	0.00
YBADJ	NM2	0.00	-17.41	-9.61	-88.41	-69.50	-38.45
YBADJ	NM2	-6.22	26.19	16.19	56.90	86.34	29.19

YBADJ	NM1	32.42	34.68	35.88	0.00	0.00	0.00
YBADJ	NM1	0.00	20.36	12.61	91.36	72.32	41.04
YBADJ	NM1	8.52	-24.26	-27.85	-55.87	-85.82	-17.05
YBADJ	NM1	-30.55	-34.68	-35.88	0.00	0.00	0.00
YBADJ	NM1	0.00	-20.36	-12.61	-91.36	-72.32	-41.04
YBADJ	NM1	-8.52	24.26	14.69	55.87	85.82	29.19

[illegible][illegible][illegible]

** Variable Emissions Type: "By Month (MONTH)"

** Variable Emission Scenario: "Scenario 2"

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

[illegible]

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

EMISFACT EP9949 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
EMISFACT EP9950 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
EMISFACT EP9950 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
EMISFACT EP9951 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
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EMISFACT EP9956 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
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EMISFACT EP9958 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
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EMISFACT EP9961 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
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EMISFACT EP9962 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
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EMISFACT EP9963 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
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EMISFACT EP9964 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187
EMISFACT EP9964 MONTH 0.085187 0.085187 0.085187 0.085187 0.085187 0.085187

** Variable Emissions Type: "By Month (MONTH)"

** Variable Emission Scenario: "BLINE (2)"

EMISFACT BLINE1B MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE1B MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE1A MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE1A MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE2B MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE2B MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE2A MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283
EMISFACT BLINE2A MONTH 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283 1.060995283

HOUREMIS ..\EMISSIONS2017_2018_2019.TXT STACK1 NM2 NM1

BLPINPUT 527.910 16.000 19.810 5.850 19.810 1538.208

SRCGROUP BACKGRND BACKGROUND

SRCGROUP BLINE BLINE2B BLINE2A BLINE1B BLINE1A

SRCGROUP EP-61 EP61

SRCGROUP EP-99 EP991 EP992 EP993 EP994 EP995 EP996 EP997 EP998 EP999

SRCGROUP EP-99 EP9910 EP9911 EP9912 EP9913 EP9914 EP9915 EP9916 EP9917

SRCGROUP EP-99 EP9918 EP9919 EP9920 EP9921 EP9922 EP9923 EP9924 EP9925

SRCGROUP EP-99 EP9926 EP9927 EP9928 EP9929 EP9930 EP9931 EP9932 EP9933

SRCGROUP EP-99 EP9934 EP9935 EP9936 EP9937 EP9938 EP9939 EP9940 EP9941

SRCGROUP EP-99 EP9942 EP9943 EP9944 EP9945 EP9946 EP9947 EP9948 EP9949

SRCGROUP EP-99 EP9950 EP9951 EP9952 EP9953 EP9954 EP9955 EP9956 EP9957

SRCGROUP EP-99 EP9958 EP9959 EP9960 EP9961 EP9962 EP9963 EP9964

SRCGROUP EP-AA EPAA

SRCGROUP vol61 VOL611 VOL612

SRCGROUP vol99 VOL99

SRCGROUP volaa VOLAA

SRCGROUP ALL BACKGROUND

SO FINISHED

**

** AERMOD Receptor Pathway

**

**

RE STARTING

INCLUDED "Aermod Ejemplo 11.rou"

RE FINISHED

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

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**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
SURFFILE KCGI-KSGF-2017-2019.SFC
PROFFILE KCGI-KSGF-2017-2019.PFL
SURFDATA 3935 2017
UAIRDATA 13995 2017 SPRINGFIELD/REGIONAL_ARPT
PROFBASE 104.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
RECTABLE ALLAVE 1ST 4TH
RECTABLE 1 1ST 4TH
PLOTFILE 1 ALL 4TH "AERMOD EJEMPLO 11.AD\4TH_Sikeston-2017-2019.PLT" 31
MXDYBYR ALL "AERMOD EJEMPLO 11.AD\MXDYBYR_ALL_SO2.DAT" 32
MXDYBYR VOL61 "AERMOD EJEMPLO 11.AD\MXDYBYR_vol61_SO2.DAT" 33
MXDYBYR VOL99 "AERMOD EJEMPLO 11.AD\MXDYBYR_vol99_SO2.DAT" 34
MXDYBYR VOLAA "AERMOD EJEMPLO 11.AD\MXDYBYR_volaa_SO2.DAT" 35
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM North American Datum 1983
** DTMRGN CONUS
** UNITS m
** ZONE 15
** ZONEINX 0
**
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Excerpt from Hourly Emissions Files (First 24 hours of each year 2017, 2018 and 2019)

2017

SOHOREMIS 2017	1	1	1	STACK1	1.21829E02	400.000	12.000
SOHOREMIS 2017	1	1	1	NM2	2.07333E02	411.678	20.522
SOHOREMIS 2017	1	1	1	NM1	2.43734E02	409.229	24.530
SOHOREMIS 2017	1	1	2	STACK1	1.03711E02	400.150	12.574
SOHOREMIS 2017	1	1	2	NM2	2.00441E02	411.831	20.133
SOHOREMIS 2017	1	1	2	NM1	2.49581E02	409.431	25.006
SOHOREMIS 2017	1	1	3	STACK1	1.04139E02	396.039	12.639
SOHOREMIS 2017	1	1	3	NM2	1.96976E02	412.108	20.054
SOHOREMIS 2017	1	1	3	NM1	2.56964E02	409.726	25.355
SOHOREMIS 2017	1	1	4	STACK1	1.04756E02	395.983	12.640
SOHOREMIS 2017	1	1	4	NM2	2.03629E02	412.039	20.350
SOHOREMIS 2017	1	1	4	NM1	2.50375E02	409.800	25.390
SOHOREMIS 2017	1	1	5	STACK1	1.18427E02	398.428	13.804
SOHOREMIS 2017	1	1	5	NM2	1.91092E02	411.900	18.914
SOHOREMIS 2017	1	1	5	NM1	2.32357E02	409.578	24.445
SOHOREMIS 2017	1	1	6	STACK1	1.35702E02	405.650	15.296
SOHOREMIS 2017	1	1	6	NM2	2.13557E02	412.039	20.452
SOHOREMIS 2017	1	1	6	NM1	2.51975E02	409.874	25.189
SOHOREMIS 2017	1	1	7	STACK1	1.58836E02	415.594	17.007
SOHOREMIS 2017	1	1	7	NM2	2.04385E02	412.456	20.698

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

SO HOUREMIS 2017	1	1	7 NM1	2.58955E02	410.243	25.063
SO HOUREMIS 2017	1	1	8 STACK1	1.57336E02	420.428	16.910
SO HOUREMIS 2017	1	1	8 NM2	1.93007E02	412.664	19.490
SO HOUREMIS 2017	1	1	8 NM1	2.47187E02	410.539	24.846
SO HOUREMIS 2017	1	1	9 STACK1	1.60045E02	419.761	16.923
SO HOUREMIS 2017	1	1	9 NM2	2.01650E02	413.081	19.641
SO HOUREMIS 2017	1	1	9 NM1	2.49656E02	410.834	25.338
SO HOUREMIS 2017	1	1	10 STACK1	1.59629E02	420.761	16.903
SO HOUREMIS 2017	1	1	10 NM2	2.06048E02	413.428	20.184
SO HOUREMIS 2017	1	1	10 NM1	2.50891E02	411.352	25.583
SO HOUREMIS 2017	1	1	11 STACK1	1.60133E02	418.928	16.940
SO HOUREMIS 2017	1	1	11 NM2	2.15321E02	413.428	20.889
SO HOUREMIS 2017	1	1	11 NM1	2.38984E02	411.278	24.586
SO HOUREMIS 2017	1	1	12 STACK1	1.58042E02	419.428	16.930
SO HOUREMIS 2017	1	1	12 NM2	2.21710E02	413.289	21.478
SO HOUREMIS 2017	1	1	12 NM1	2.57972E02	411.130	25.458
SO HOUREMIS 2017	1	1	13 STACK1	1.56832E02	417.983	16.959
SO HOUREMIS 2017	1	1	13 NM2	2.16103E02	412.108	21.226
SO HOUREMIS 2017	1	1	13 NM1	2.52428E02	409.726	24.976
SO HOUREMIS 2017	1	1	14 STACK1	1.57261E02	418.039	16.957
SO HOUREMIS 2017	1	1	14 NM2	2.15599E02	412.108	21.120
SO HOUREMIS 2017	1	1	14 NM1	2.48825E02	409.726	24.851
SO HOUREMIS 2017	1	1	15 STACK1	1.56051E02	417.761	16.963
SO HOUREMIS 2017	1	1	15 NM2	2.12688E02	412.525	20.879
SO HOUREMIS 2017	1	1	15 NM1	2.42991E02	409.874	24.619
SO HOUREMIS 2017	1	1	16 STACK1	1.56429E02	418.539	16.947
SO HOUREMIS 2017	1	1	16 NM2	2.10332E02	412.664	20.698
SO HOUREMIS 2017	1	1	16 NM1	2.37497E02	410.243	24.357
SO HOUREMIS 2017	1	1	17 STACK1	1.53871E02	417.150	16.976
SO HOUREMIS 2017	1	1	17 NM2	1.98740E02	412.733	20.118
SO HOUREMIS 2017	1	1	17 NM1	2.23625E02	410.317	22.629
SO HOUREMIS 2017	1	1	18 STACK1	1.54350E02	417.817	16.962
SO HOUREMIS 2017	1	1	18 NM2	2.09929E02	412.872	20.503
SO HOUREMIS 2017	1	1	18 NM1	2.40723E02	410.391	23.319
SO HOUREMIS 2017	1	1	19 STACK1	1.53418E02	418.428	16.950
SO HOUREMIS 2017	1	1	19 NM2	2.12890E02	413.150	20.315
SO HOUREMIS 2017	1	1	19 NM1	2.39224E02	410.687	22.835
SO HOUREMIS 2017	1	1	20 STACK1	1.55698E02	419.039	17.378
SO HOUREMIS 2017	1	1	20 NM2	2.07509E02	413.219	19.856
SO HOUREMIS 2017	1	1	20 NM1	2.32432E02	410.834	22.266
SO HOUREMIS 2017	1	1	21 STACK1	1.56643E02	420.039	17.356
SO HOUREMIS 2017	1	1	21 NM2	2.11667E02	413.219	20.202
SO HOUREMIS 2017	1	1	21 NM1	2.34032E02	410.908	22.542
SO HOUREMIS 2017	1	1	22 STACK1	1.56983E02	420.650	17.344
SO HOUREMIS 2017	1	1	22 NM2	1.94229E02	413.289	18.767
SO HOUREMIS 2017	1	1	22 NM1	2.18484E02	410.834	21.452
SO HOUREMIS 2017	1	1	23 STACK1	1.37138E02	416.261	15.595
SO HOUREMIS 2017	1	1	23 NM2	1.80155E02	413.289	17.660
SO HOUREMIS 2017	1	1	23 NM1	1.82171E02	410.834	18.816
SO HOUREMIS 2017	1	1	24 STACK1	1.17457E02	406.317	13.669
SO HOUREMIS 2017	1	1	24 NM2	1.61885E02	413.358	16.320
SO HOUREMIS 2017	1	1	24 NM1	1.73930E02	411.056	17.935

2018

SO HOUREMIS 2018	1	1	1 STACK1	1.30221E02	396.594	16.945
SO HOUREMIS 2018	1	1	1 NM2	3.14408E02	432.415	28.417
SO HOUREMIS 2018	1	1	1 NM1	2.52353E02	432.657	28.225
SO HOUREMIS 2018	1	1	2 STACK1	1.31632E02	396.094	16.956
SO HOUREMIS 2018	1	1	2 NM2	3.15995E02	433.384	28.624
SO HOUREMIS 2018	1	1	2 NM1	2.49430E02	433.369	28.209
SO HOUREMIS 2018	1	1	3 STACK1	1.32829E02	396.428	16.949
SO HOUREMIS 2018	1	1	3 NM2	3.13828E02	433.737	28.451
SO HOUREMIS 2018	1	1	3 NM1	2.56019E02	433.667	28.352
SO HOUREMIS 2018	1	1	4 STACK1	1.32161E02	393.372	17.015
SO HOUREMIS 2018	1	1	4 NM2	3.14471E02	433.878	28.519

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

SO HOUREMIS 2018 1 1 4 NM1	2.63315E02	434.039	28.522
SO HOUREMIS 2018 1 1 5 STACK1	1.32590E02	393.483	17.012
SO HOUREMIS 2018 1 1 5 NM2	3.13967E02	434.160	28.491
SO HOUREMIS 2018 1 1 5 NM1	2.53247E02	434.411	28.744
SO HOUREMIS 2018 1 1 6 STACK1	1.32880E02	393.483	17.012
SO HOUREMIS 2018 1 1 6 NM2	3.10199E02	434.724	28.187
SO HOUREMIS 2018 1 1 6 NM1	2.53449E02	434.932	28.750
SO HOUREMIS 2018 1 1 7 STACK1	1.32880E02	393.928	17.002
SO HOUREMIS 2018 1 1 7 NM2	3.11006E02	435.289	28.297
SO HOUREMIS 2018 1 1 7 NM1	2.51496E02	435.677	28.816
SO HOUREMIS 2018 1 1 8 STACK1	1.31065E02	395.039	16.979
SO HOUREMIS 2018 1 1 8 NM2	3.12014E02	435.712	28.416
SO HOUREMIS 2018 1 1 8 NM1	2.52328E02	436.272	28.864
SO HOUREMIS 2018 1 1 9 STACK1	1.33888E02	392.872	17.025
SO HOUREMIS 2018 1 1 9 NM2	3.09557E02	436.136	28.220
SO HOUREMIS 2018 1 1 9 NM1	2.66314E02	436.793	29.146
SO HOUREMIS 2018 1 1 10 STACK1	1.35198E02	393.428	17.013
SO HOUREMIS 2018 1 1 10 NM2	3.13551E02	436.912	28.634
SO HOUREMIS 2018 1 1 10 NM1	2.62181E02	437.463	29.152
SO HOUREMIS 2018 1 1 11 STACK1	1.34429E02	393.594	17.010
SO HOUREMIS 2018 1 1 11 NM2	3.11875E02	437.335	28.509
SO HOUREMIS 2018 1 1 11 NM1	2.57355E02	437.836	29.248
SO HOUREMIS 2018 1 1 12 STACK1	1.35992E02	396.150	16.955
SO HOUREMIS 2018 1 1 12 NM2	3.12719E02	436.841	28.554
SO HOUREMIS 2018 1 1 12 NM1	2.55011E02	437.240	29.184
SO HOUREMIS 2018 1 1 13 STACK1	1.34946E02	397.539	16.925
SO HOUREMIS 2018 1 1 13 NM2	3.15479E02	435.994	28.750
SO HOUREMIS 2018 1 1 13 NM1	2.65054E02	436.272	29.156
SO HOUREMIS 2018 1 1 14 STACK1	1.34014E02	398.261	16.910
SO HOUREMIS 2018 1 1 14 NM2	3.18717E02	435.359	29.002
SO HOUREMIS 2018 1 1 14 NM1	2.76809E02	435.528	29.113
SO HOUREMIS 2018 1 1 15 STACK1	1.34014E02	396.928	16.938
SO HOUREMIS 2018 1 1 15 NM2	3.16739E02	435.359	28.823
SO HOUREMIS 2018 1 1 15 NM1	2.69993E02	435.304	29.083
SO HOUREMIS 2018 1 1 16 STACK1	1.34770E02	396.817	16.941
SO HOUREMIS 2018 1 1 16 NM2	3.14433E02	435.430	28.618
SO HOUREMIS 2018 1 1 16 NM1	2.66540E02	435.304	29.022
SO HOUREMIS 2018 1 1 17 STACK1	1.35740E02	397.594	16.924
SO HOUREMIS 2018 1 1 17 NM2	3.15920E02	435.571	28.762
SO HOUREMIS 2018 1 1 17 NM1	2.74453E02	435.453	29.051
SO HOUREMIS 2018 1 1 18 STACK1	1.35790E02	397.317	16.930
SO HOUREMIS 2018 1 1 18 NM2	3.17747E02	435.712	28.938
SO HOUREMIS 2018 1 1 18 NM1	2.71706E02	435.602	28.898
SO HOUREMIS 2018 1 1 19 STACK1	1.36634E02	396.317	16.951
SO HOUREMIS 2018 1 1 19 NM2	3.13627E02	435.783	28.567
SO HOUREMIS 2018 1 1 19 NM1	2.64361E02	435.602	28.642
SO HOUREMIS 2018 1 1 20 STACK1	1.37630E02	396.983	16.937
SO HOUREMIS 2018 1 1 20 NM2	3.18893E02	435.783	29.047
SO HOUREMIS 2018 1 1 20 NM1	2.65104E02	435.900	28.791
SO HOUREMIS 2018 1 1 21 STACK1	1.37466E02	397.872	16.918
SO HOUREMIS 2018 1 1 21 NM2	3.16852E02	435.712	28.857
SO HOUREMIS 2018 1 1 21 NM1	2.64776E02	435.602	28.670
SO HOUREMIS 2018 1 1 22 STACK1	1.36105E02	398.094	16.913
SO HOUREMIS 2018 1 1 22 NM2	3.18667E02	435.501	29.007
SO HOUREMIS 2018 1 1 22 NM1	2.60253E02	435.528	28.546
SO HOUREMIS 2018 1 1 23 STACK1	1.36924E02	397.650	16.923
SO HOUREMIS 2018 1 1 23 NM2	3.17835E02	434.866	28.889
SO HOUREMIS 2018 1 1 23 NM1	2.50929E02	435.007	28.553
SO HOUREMIS 2018 1 1 24 STACK1	1.37176E02	395.706	16.965
SO HOUREMIS 2018 1 1 24 NM2	3.14042E02	434.513	28.522

2019

SO HOUREMIS 2019 1 1 1 STACK1	1.46702E02	412.428	16.617
SO HOUREMIS 2019 1 1 1 NM2	1.85661E02	418.417	19.473

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

SO HOUREMIS 2019 1 1 1 NM1	1.72015E02	406.772	19.697
SO HOUREMIS 2019 1 1 2 STACK1	1.46336E02	412.872	16.608
SO HOUREMIS 2019 1 1 2 NM2	1.88647E02	419.061	19.175
SO HOUREMIS 2019 1 1 2 NM1	1.72859E02	407.479	20.046
SO HOUREMIS 2019 1 1 3 STACK1	1.47092E02	412.706	16.612
SO HOUREMIS 2019 1 1 3 NM2	1.82095E02	419.555	18.424
SO HOUREMIS 2019 1 1 3 NM1	1.69709E02	408.048	19.746
SO HOUREMIS 2019 1 1 4 STACK1	1.47218E02	412.817	16.609
SO HOUREMIS 2019 1 1 4 NM2	1.81982E02	419.837	18.236
SO HOUREMIS 2019 1 1 4 NM1	1.71020E02	408.474	19.603
SO HOUREMIS 2019 1 1 5 STACK1	1.43514E02	412.317	16.151
SO HOUREMIS 2019 1 1 5 NM2	1.93271E02	419.696	18.929
SO HOUREMIS 2019 1 1 5 NM1	1.84817E02	408.617	21.084
SO HOUREMIS 2019 1 1 6 STACK1	1.43413E02	411.206	16.173
SO HOUREMIS 2019 1 1 6 NM2	2.31538E02	421.037	22.180
SO HOUREMIS 2019 1 1 6 NM1	2.04523E02	409.897	22.615
SO HOUREMIS 2019 1 1 7 STACK1	1.46500E02	412.317	16.619
SO HOUREMIS 2019 1 1 7 NM2	2.37800E02	421.813	23.022
SO HOUREMIS 2019 1 1 7 NM1	2.56410E02	410.466	26.860
SO HOUREMIS 2019 1 1 8 STACK1	1.44976E02	414.039	16.585
SO HOUREMIS 2019 1 1 8 NM2	2.34625E02	423.012	23.108
SO HOUREMIS 2019 1 1 8 NM1	2.82794E02	411.746	28.273
SO HOUREMIS 2019 1 1 9 STACK1	1.46009E02	413.483	16.596
SO HOUREMIS 2019 1 1 9 NM2	2.36981E02	423.929	23.224
SO HOUREMIS 2019 1 1 9 NM1	2.81875E02	412.812	28.364
SO HOUREMIS 2019 1 1 10 STACK1	1.42544E02	412.594	16.145
SO HOUREMIS 2019 1 1 10 NM2	2.39211E02	424.988	22.943
SO HOUREMIS 2019 1 1 10 NM1	2.78573E02	413.666	28.325
SO HOUREMIS 2019 1 1 11 STACK1	1.43867E02	413.872	16.121
SO HOUREMIS 2019 1 1 11 NM2	2.39350E02	425.270	22.897
SO HOUREMIS 2019 1 1 11 NM1	2.81156E02	413.879	28.286
SO HOUREMIS 2019 1 1 12 STACK1	1.44774E02	413.150	16.135
SO HOUREMIS 2019 1 1 12 NM2	2.37989E02	424.564	22.865
SO HOUREMIS 2019 1 1 12 NM1	2.81295E02	413.239	27.750
SO HOUREMIS 2019 1 1 13 STACK1	1.43602E02	410.983	16.177
SO HOUREMIS 2019 1 1 13 NM2	2.33617E02	424.212	22.745
SO HOUREMIS 2019 1 1 13 NM1	2.76973E02	412.812	27.656
SO HOUREMIS 2019 1 1 14 STACK1	1.42808E02	411.483	16.167
SO HOUREMIS 2019 1 1 14 NM2	2.33440E02	424.353	23.091
SO HOUREMIS 2019 1 1 14 NM1	2.83160E02	412.812	28.104
SO HOUREMIS 2019 1 1 15 STACK1	1.46979E02	411.706	16.632
SO HOUREMIS 2019 1 1 15 NM2	2.29219E02	424.423	23.325
SO HOUREMIS 2019 1 1 15 NM1	2.80186E02	412.954	28.033
SO HOUREMIS 2019 1 1 16 STACK1	1.47584E02	409.928	16.668
SO HOUREMIS 2019 1 1 16 NM2	2.25691E02	424.706	23.222
SO HOUREMIS 2019 1 1 16 NM1	2.80186E02	413.168	28.203
SO HOUREMIS 2019 1 1 17 STACK1	1.47886E02	411.483	16.636
SO HOUREMIS 2019 1 1 17 NM2	2.31235E02	424.776	22.555
SO HOUREMIS 2019 1 1 17 NM1	2.75020E02	413.452	28.803
SO HOUREMIS 2019 1 1 18 STACK1	1.48378E02	410.428	16.658
SO HOUREMIS 2019 1 1 18 NM2	2.33239E02	425.058	22.544
SO HOUREMIS 2019 1 1 18 NM1	2.75990E02	413.737	28.725
SO HOUREMIS 2019 1 1 19 STACK1	1.42909E02	408.872	16.219
SO HOUREMIS 2019 1 1 19 NM2	2.33856E02	425.482	22.963
SO HOUREMIS 2019 1 1 19 NM1	2.79569E02	414.163	28.541
SO HOUREMIS 2019 1 1 20 STACK1	1.43186E02	409.317	16.210
SO HOUREMIS 2019 1 1 20 NM2	2.34196E02	425.482	23.252
SO HOUREMIS 2019 1 1 20 NM1	2.81106E02	414.306	28.389
SO HOUREMIS 2019 1 1 21 STACK1	1.42040E02	408.594	16.224
SO HOUREMIS 2019 1 1 21 NM2	2.32571E02	425.552	23.395
SO HOUREMIS 2019 1 1 21 NM1	2.79947E02	414.306	28.896
SO HOUREMIS 2019 1 1 22 STACK1	1.45958E02	410.483	16.657
SO HOUREMIS 2019 1 1 22 NM2	2.32735E02	425.199	23.458
SO HOUREMIS 2019 1 1 22 NM1	2.78901E02	414.021	28.884
SO HOUREMIS 2019 1 1 23 STACK1	1.43300E02	410.706	16.183
SO HOUREMIS 2019 1 1 23 NM2	2.33566E02	424.635	23.484

SO HOUREMIS 2019 1 1 23 NM1	2.89535E02	413.594	27.862
SO HOUREMIS 2019 1 1 24 STACK1	1.43287E02	409.150	16.213
SO HOUREMIS 2019 1 1 24 NM2	2.30870E02	424.212	23.060
SO HOUREMIS 2019 1 1 24 NM1	2.81068E02	413.310	28.084

```
* AERMOD ( 19191): Sikeston and surroundings 2017-2019 - MDNR Analysis          03/18/21
* AERMET ( 19191): SO2NAAQS                                                    16:18:10
* MODELING OPTIONS USED: RegDEFAULT CONC ELEV RURAL ADJ_U* BUOYLINE
*   PLOT FILE OF 4TH-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER  3 YEARS FOR SOURCE GROUP: ALL
*   FOR A TOTAL OF 3891 RECEPTORS.
*   FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,A5,5X,A8,2X,          10(F13.5,2X,I8.8,2X:))
*   X      Y  AVERAGE CONC  Z ELEV  ZHILL  ZFLAG  AVE  GRP  RANK  NET ID  AVER CONC  YR1  DATE YR1
AVER CONC  YR2  DATE YR2  AVER CONC  YR3  DATE YR3
*
```

800210.00000	4085782.00000	50.36883	91.49	91.49	0.00	1-HR	ALL	4TH	44.96173	17083014	60.38674
18071709	45.75801 19050713										
800210.00000	4085882.00000	48.80769	91.49	91.49	0.00	1-HR	ALL	4TH	45.70574	17083014	56.52248
18071709	44.19485 19070113										
800210.00000	4085982.00000	47.03604	91.49	91.49	0.00	1-HR	ALL	4TH	44.24094	17083014	53.36038
18070214	43.50680 19050713										
800210.00000	4086082.00000	46.25511	91.49	91.49	0.00	1-HR	ALL	4TH	43.79365	17090313	54.69861
18070715	40.27308 19051607										
800210.00000	4086182.00000	47.71469	91.49	91.49	0.00	1-HR	ALL	4TH	44.09898	17090313	58.83096
18070712	40.21414 19051607										
800210.00000	4086282.00000	47.94993	91.49	91.49	0.00	1-HR	ALL	4TH	41.60611	17082207	58.58293
18070714	43.66074 19050712										
800210.00000	4086382.00000	48.25330	91.49	91.49	0.00	1-HR	ALL	4TH	42.86042	17091013	59.84460
18070713	42.05488 19120712										
800210.00000	4086482.00000	48.46828	91.49	91.49	0.00	1-HR	ALL	4TH	44.69143	17093013	56.37706
18111712	44.33634 19061113										
800210.00000	4086582.00000	47.93188	91.53	91.53	0.00	1-HR	ALL	4TH	44.27356	17060212	55.30500
18072915	44.21707 19061113										
800210.00000	4086682.00000	47.45882	91.64	91.64	0.00	1-HR	ALL	4TH	44.73051	17081316	53.77235
18071111	43.87361 19072509										
800210.00000	4086782.00000	48.45786	91.78	91.78	0.00	1-HR	ALL	4TH	44.88693	17060113	56.45103
18071110	44.03562 19072509										
800210.00000	4086882.00000	48.19841	92.04	92.04	0.00	1-HR	ALL	4TH	46.78016	17092312	54.98988
18071112	42.82518 19072509										
800210.00000	4086982.00000	47.95001	92.34	92.34	0.00	1-HR	ALL	4TH	47.43928	17060211	54.43604
18071112	41.97471 19061114										
800210.00000	4087082.00000	49.06496	93.35	93.35	0.00	1-HR	ALL	4TH	46.75683	17060214	55.62182
18071813	44.81622 19061114										
800210.00000	4087182.00000	48.90796	93.04	93.04	0.00	1-HR	ALL	4TH	48.12819	17092314	53.68544
18062011	44.91024 19061114										
800210.00000	4087282.00000	46.92461	93.13	93.13	0.00	1-HR	ALL	4TH	47.34065	17060112	50.67576
18061412	42.75741 19061114										
800210.00000	4087382.00000	46.45950	92.94	92.94	0.00	1-HR	ALL	4TH	49.96090	17081315	48.40664
18061410	41.01097 19071213										
800210.00000	4087482.00000	47.01438	92.77	92.77	0.00	1-HR	ALL	4TH	49.45533	17092413	51.12066
18061410	40.46714 19071213										
800210.00000	4087582.00000	47.85754	92.71	92.71	0.00	1-HR	ALL	4TH	49.30091	17060115	53.094

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

```

800310.00000 4086182.00000 47.57470 91.49 91.49 0.00 1-HR ALL 4TH 46.52069 17090313 55.27104
18070715 40.93237 19091914
800310.00000 4086282.00000 47.88554 91.49 91.49 0.00 1-HR ALL 4TH 43.04022 17052714 57.93370
18070712 42.68269 19091914

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Meteorological File Excerpts (2016-2018 KMKC/KTOP formatted surface and profile files, first 24 hours of each file)

Surface (.sfc)

```

37.22N 89.57W UA_ID: 13995 SF_ID: 03935 OS_ID: VERSION: 19191 THRESH_1MIN= 0.50 m/s; ADJ_U* CCVR_Sub
TEMP_Sub
17 1 1 1 1 -23.5 0.234 -9.000 -9.000 -999. 271. 60.0 0.0150 0.38 1.00 3.86 11.0 7.9 278.8 2.0 0 0.00 85. 1002. 10 ADJ-SFC
NoSubs
17 1 1 1 2 -17.2 0.171 -9.000 -9.000 -999. 170. 32.1 0.0150 0.38 1.00 2.86 28.0 7.9 278.1 2.0 0 0.00 88. 1003. 10 ADJ-SFC
NoSubs
17 1 1 1 3 -26.5 0.262 -9.000 -9.000 -999. 322. 75.6 0.0140 0.38 1.00 4.36 44.0 7.9 278.1 2.0 0 0.00 85. 1004. 10 ADJ-SFC
NoSubs
17 1 1 1 4 -29.7 0.294 -9.000 -9.000 -999. 382. 94.8 0.0140 0.38 1.00 4.86 43.0 7.9 278.1 2.0 0 0.00 85. 1004. 10 ADJ-SFC
NoSubs
17 1 1 1 5 -2.7 0.064 -9.000 -9.000 -999. 142. 8.6 0.0150 0.38 1.00 1.07 21.0 7.9 278.1 2.0 0 0.00 85. 1003. 10 ADJ-A1
NoSubs
17 1 1 1 6 -5.8 0.091 -9.000 -9.000 -999. 67. 11.8 0.0150 0.38 1.00 1.60 75.0 7.9 277.5 2.0 0 0.00 85. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 7 -7.0 0.101 -9.000 -9.000 -999. 77. 13.2 0.0160 0.38 1.00 1.74 112.0 7.9 277.5 2.0 0 0.00 85. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 8 -9.2 0.117 -9.000 -9.000 -999. 96. 15.7 0.0160 0.38 0.65 1.99 97.0 7.9 277.5 2.0 0 0.00 85. 1005. 10 ADJ-A1
NoSubs
17 1 1 1 9 -4.2 0.173 -9.000 -9.000 -999. 172. 110.5 0.0150 0.38 0.35 2.81 75.0 7.9 278.1 2.0 0 0.00 82. 1005. 10 ADJ-A1
NoSubs
17 1 1 1 10 5.1 0.274 0.161 0.007 29. 344. -359.9 0.0160 0.38 0.25 4.20 103.0 7.9 278.1 2.0 0 0.00 82. 1006. 10 ADJ-A1
NoSubs
17 1 1 1 11 9.9 0.348 0.241 0.009 50. 492. -379.7 0.0160 0.38 0.22 5.33 105.0 7.9 278.8 2.0 0 0.00 78. 1005. 10 ADJ-A1
NoSubs
17 1 1 1 12 12.4 0.356 0.289 0.009 69. 509. -324.6 0.0180 0.38 0.20 5.34 131.0 7.9 279.2 2.0 0 0.00 79. 1005. 10 ADJ-A1
NoSubs
17 1 1 1 13 12.6 0.240 0.312 0.007 86. 291. -99.1 0.0160 0.38 0.20 3.59 117.0 7.9 279.9 2.0 0 0.00 78. 1003. 10 ADJ-A1
NoSubs
17 1 1 1 14 10.3 0.206 0.304 0.007 98. 225. -76.1 0.0160 0.38 0.21 3.05 90.0 7.9 280.4 2.0 0 0.00 76. 1003. 10 ADJ-A1
NoSubs
17 1 1 1 15 5.7 0.269 0.254 0.007 103. 336. -308.0 0.0160 0.38 0.25 4.12 93.0 7.9 280.4 2.0 0 0.00 76. 1003. 10 ADJ-A1
NoSubs
17 1 1 1 16 -3.6 0.279 -9.000 -9.000 -999. 354. 540.6 0.0160 0.38 0.35 4.37 101.0 7.9 280.9 2.0 0 0.00 73. 1003. 10 ADJ-A1
NoSubs
17 1 1 1 17 -28.1 0.292 -9.000 -9.000 -999. 379. 93.9 0.0160 0.38 0.62 4.73 99.0 7.9 280.4 2.0 0 0.00 76. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 18 -21.3 0.213 -9.000 -9.000 -999. 238. 49.7 0.0160 0.38 1.00 3.49 113.0 7.9 280.4 2.0 0 0.00 76. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 19 -17.9 0.178 -9.000 -9.000 -999. 181. 35.0 0.0160 0.38 1.00 2.95 101.0 7.9 279.9 2.0 0 0.00 82. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 20 -15.1 0.151 -9.000 -9.000 -999. 141. 25.1 0.0160 0.38 1.00 2.52 110.0 7.9 279.9 2.0 0 0.00 82. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 21 -21.5 0.215 -9.000 -9.000 -999. 238. 50.6 0.0160 0.38 1.00 3.52 105.0 7.9 279.9 2.0 0 0.00 85. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 22 -27.6 0.275 -9.000 -9.000 -999. 345. 82.9 0.0160 0.38 1.00 4.46 109.0 7.9 279.9 2.0 0 0.00 88. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 23 -25.4 0.253 -9.000 -9.000 -999. 305. 70.3 0.0160 0.38 1.00 4.12 117.0 7.9 279.9 2.0 0 0.00 88. 1004. 10 ADJ-A1
NoSubs
17 1 1 1 24 -28.0 0.279 -9.000 -9.000 -999. 354. 85.6 0.0160 0.38 1.00 4.53 118.0 7.9 279.9 2.0 0 0.00 88. 1004. 10 ADJ-A1
NoSubs

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Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

18	1	1	1	1	-33.2	0.299	-9.000	-9.000	-999.	392.	98.3	0.0140	0.67	1.00	4.95	316.0	7.9	259.2	2.0	0	0.00	66.	1028.	0	ADJ-A1
NoSubs																									
18	1	1	1	2	-37.3	0.335	-9.000	-9.000	-999.	466.	123.8	0.0140	0.67	1.00	5.53	316.0	7.9	258.8	2.0	0	0.00	69.	1029.	0	ADJ-A1
NoSubs																									
18	1	1	1	3	-32.5	0.291	-9.000	-9.000	-999.	378.	93.3	0.0140	0.67	1.00	4.83	315.0	7.9	258.1	2.0	0	0.00	72.	1029.	0	ADJ-A1
NoSubs																									
18	1	1	1	4	-31.9	0.285	-9.000	-9.000	-999.	365.	89.3	0.0140	0.67	1.00	4.73	317.0	7.9	257.5	2.0	0	0.00	72.	1029.	0	ADJ-A1
NoSubs																									
18	1	1	1	5	-35.2	0.315	-9.000	-9.000	-999.	425.	109.3	0.0140	0.67	1.00	5.21	320.0	7.9	257.5	2.0	0	0.00	69.	1029.	0	ADJ-A1
NoSubs																									
18	1	1	1	6	-36.0	0.322	-9.000	-9.000	-999.	437.	113.7	0.0140	0.67	1.00	5.31	320.0	7.9	257.0	2.0	0	0.00	72.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	7	-27.5	0.245	-9.000	-9.000	-999.	294.	66.0	0.0140	0.67	1.00	4.09	316.0	7.9	256.4	2.0	0	0.00	69.	1031.	0	ADJ-A1
NoSubs																									
18	1	1	1	8	-23.9	0.221	-9.000	-9.000	-999.	250.	54.0	0.0140	0.67	0.65	3.71	306.0	7.9	257.0	2.0	0	0.00	62.	1031.	0	ADJ-A1
NoSubs																									
18	1	1	1	9	4.8	0.276	0.289	0.016	184.	348.	-402.1	0.0190	0.67	0.35	4.12	298.0	7.9	257.5	2.0	0	0.00	57.	1032.	0	ADJ-A1
NoSubs																									
18	1	1	1	10	42.5	0.328	0.711	0.016	311.	451.	-76.3	0.0190	0.67	0.25	4.71	293.0	7.9	258.8	2.0	0	0.00	52.	1032.	0	ADJ-A1
NoSubs																									
18	1	1	1	11	70.0	0.322	0.865	0.016	340.	438.	-43.9	0.0190	0.67	0.22	4.51	294.0	7.9	260.4	2.0	0	0.00	45.	1032.	0	ADJ-A1
NoSubs																									
18	1	1	1	12	84.3	0.307	0.947	0.015	371.	409.	-31.6	0.0140	0.67	0.20	4.46	303.0	7.9	260.9	2.0	0	0.00	45.	1031.	0	ADJ-A1
NoSubs																									
18	1	1	1	13	84.6	0.312	0.969	0.015	395.	419.	-33.1	0.0190	0.67	0.20	4.31	293.0	7.9	262.5	2.0	0	0.00	40.	1031.	0	ADJ-A1
NoSubs																									
18	1	1	1	14	71.0	0.305	0.948	0.016	440.	405.	-36.8	0.0190	0.67	0.21	4.24	299.0	7.9	263.1	2.0	0	0.00	36.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	15	44.1	0.280	0.827	0.017	470.	355.	-45.5	0.0140	0.67	0.25	4.14	304.0	7.9	263.8	2.0	0	0.00	33.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	16	6.7	0.259	0.442	0.017	472.	316.	-236.5	0.0190	0.67	0.35	3.83	293.0	7.9	263.1	2.0	0	0.00	34.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	17	-24.4	0.237	-9.000	-9.000	-999.	276.	61.6	0.0190	0.67	0.62	3.76	290.0	7.9	262.0	2.0	0	0.00	38.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	18	-25.4	0.230	-9.000	-9.000	-999.	264.	58.0	0.0190	0.67	1.00	3.66	291.0	7.9	260.4	2.0	0	0.00	45.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	19	-22.4	0.202	-9.000	-9.000	-999.	218.	44.9	0.0140	0.67	1.00	3.40	303.0	7.9	259.9	2.0	0	0.00	47.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	20	-19.7	0.177	-9.000	-9.000	-999.	179.	34.5	0.0140	0.67	1.00	3.00	306.0	7.9	259.2	2.0	0	0.00	50.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	21	-13.4	0.137	-9.000	-9.000	-999.	121.	20.5	0.0140	0.67	1.00	2.35	305.0	7.9	258.8	2.0	0	0.00	52.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	22	-15.3	0.146	-9.000	-9.000	-999.	134.	23.4	0.0140	0.67	1.00	2.50	309.0	7.9	258.8	2.0	0	0.00	54.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	23	-11.7	0.127	-9.000	-9.000	-999.	109.	17.8	0.0140	0.67	1.00	2.20	319.0	7.9	258.1	2.0	0	0.00	57.	1030.	0	ADJ-A1
NoSubs																									
18	1	1	1	24	-10.0	0.118	-9.000	-9.000	-999.	97.	15.3	0.0160	0.67	1.00	2.01	337.0	7.9	257.5	2.0	0	0.00	60.	1030.	0	ADJ-A1
NoSubs																									
19	1	1	1	1	-30.2	0.300	-9.000	-9.000	-999.	395.	99.3	0.0190	0.38	1.00	4.73	290.0	7.9	280.4	2.0	0	0.00	82.	1006.	10	ADJ-A1
NoSubs																									
19	1	1	1	2	-27.9	0.278	-9.000	-9.000	-999.	352.	85.0	0.0190	0.38	1.00	4.39	299.0	7.9	280.4	2.0	0	0.00	79.	1007.	10	ADJ-A1
NoSubs																									
19	1	1	1	3	-33.0	0.328	-9.000	-9.000	-999.	450.	118.1	0.0190	0.38	1.00	5.14	294.0	7.9	280.4	2.0	0	0.00	76.	1008.	10	ADJ-A1
NoSubs																									
19	1	1	1	4	-30.5	0.303	-9.000	-9.000	-999.	400.	100.7	0.0140	0.38	1.00	5.00	301.0	7.9	279.9	2.0	0	0.00	78.	1008.	10	ADJ-A1
NoSubs																									
19	1	1	1	5	-32.7	0.324	-9.000	-9.000	-999.	442.	115.5	0.0140	0.38	1.00	5.34	319.0	7.9	279.9	2.0	0	0.00	76.	1008.	10	ADJ-A1
NoSubs																									
19	1	1	1	6	-29.0	0.287	-9.000	-9.000	-999.	369.	90.4	0.0160	0.38	1.00	4.65	331.0	7.9	279.2	2.0	0	0.00	79.	1009.	10	ADJ-A1
NoSubs																									
19	1	1	1	7	-29.9	0.295	-9.000	-9.000	-999.	384.	95.7	0.0140	0.38	1.00	4.88	323.0	7.9	279.2	2.0	0	0.00	75.	1010.	10	ADJ-A1
NoSubs																									
19	1	1	1	8	-25.1	0.254	-9.000	-9.000	-999.	308.	71.0	0.0160	0.38	0.65	4.14	333.0	7.9	279.2	2.0	0	0.00	73.	1012.	10	ADJ-A1
NoSubs																									

Attachment 1 – Sikeston AERMOD Input and Output File Excerpts

```
19 1 1 1 9 -5.7 0.250 -9.000 -9.000 -999. 301. 249.3 0.0140 0.38 0.35 4.05 327.0 7.9 279.2 2.0 0 0.00 75. 1012. 10 ADJ-A1
NoSubs
19 1 1 1 110 5.2 0.251 0.272 0.008 138. 301. -271.5 0.0140 0.38 0.25 3.91 313.0 7.9 279.2 2.0 0 0.00 75. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 111 10.0 0.280 0.387 0.008 209. 355. -198.1 0.0140 0.38 0.22 4.34 310.0 7.9 279.2 2.0 0 0.00 75. 1013. 10 ADJ-A1
NoSubs
19 1 1 1 112 12.4 0.281 0.455 0.008 273. 357. -160.7 0.0140 0.38 0.20 4.34 310.0 7.9 279.2 2.0 0 0.00 75. 1012. 10 ADJ-A1
NoSubs
19 1 1 1 113 12.4 0.286 0.482 0.008 325. 368. -170.1 0.0140 0.38 0.20 4.43 311.0 7.9 278.8 2.0 0 0.00 75. 1012. 10 ADJ-A1
NoSubs
19 1 1 1 114 10.1 0.262 0.465 0.008 361. 322. -161.4 0.0140 0.38 0.21 4.05 317.0 7.9 278.1 2.0 0 0.00 79. 1012. 10 ADJ-A1
NoSubs
19 1 1 1 115 5.4 0.272 0.386 0.008 379. 341. -334.9 0.0160 0.38 0.25 4.17 331.0 7.9 278.1 2.0 0 0.00 75. 1013. 10 ADJ-A1
NoSubs
19 1 1 1 116 -4.7 0.261 -9.000 -9.000 -999. 320. 338.5 0.0140 0.38 0.35 4.20 329.0 7.9 278.1 2.0 0 0.00 75. 1013. 10 ADJ-A1
NoSubs
19 1 1 1 117 -27.3 0.278 -9.000 -9.000 -999. 352. 85.1 0.0140 0.38 0.62 4.61 329.0 7.9 277.5 2.0 0 0.00 76. 1013. 10 ADJ-A1
NoSubs
19 1 1 1 118 -25.3 0.247 -9.000 -9.000 -999. 295. 67.2 0.0140 0.38 1.00 4.12 324.0 7.9 277.5 2.0 0 0.00 76. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 119 -19.3 0.189 -9.000 -9.000 -999. 198. 39.2 0.0140 0.38 1.00 3.18 329.0 7.9 277.0 2.0 0 0.00 75. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 120 -20.8 0.203 -9.000 -9.000 -999. 220. 45.4 0.0160 0.38 1.00 3.34 331.0 7.9 277.0 2.0 0 0.00 75. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 121 -16.6 0.161 -9.000 -9.000 -999. 156. 28.6 0.0140 0.38 1.00 2.74 311.0 7.9 276.4 2.0 0 0.00 78. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 122 -16.9 0.164 -9.000 -9.000 -999. 160. 29.7 0.0140 0.38 1.00 2.79 312.0 7.9 276.4 2.0 0 0.00 78. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 123 -16.3 0.158 -9.000 -9.000 -999. 151. 27.5 0.0140 0.38 1.00 2.69 320.0 7.9 275.9 2.0 0 0.00 81. 1014. 10 ADJ-A1
NoSubs
19 1 1 1 124 -17.1 0.166 -9.000 -9.000 -999. 163. 30.4 0.0160 0.38 1.00 2.76 334.0 7.9 275.9 2.0 0 0.00 81. 1013. 10 ADJ-A1
NoSubs
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Profile (.pfl)

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17 1 1 1 7.91 11.0 3.86 5.60 99.00 99.00
17 1 1 2 7.91 28.0 2.86 5.00 99.00 99.00
17 1 1 3 7.91 44.0 4.36 5.00 99.00 99.00
17 1 1 4 7.91 43.0 4.86 5.00 99.00 99.00
17 1 1 5 7.91 21.0 1.07 5.00 99.00 99.00
17 1 1 6 7.91 75.0 1.60 4.40 99.00 99.00
17 1 1 7 7.91 112.0 1.74 4.40 99.00 99.00
17 1 1 8 7.91 97.0 1.99 4.40 99.00 99.00
17 1 1 9 7.91 75.0 2.81 5.00 99.00 99.00
17 1 1 10 7.91 103.0 4.20 5.00 99.00 99.00
17 1 1 11 7.91 105.0 5.33 5.60 99.00 99.00
17 1 1 12 7.91 131.0 5.34 6.10 99.00 99.00
17 1 1 13 7.91 117.0 3.59 6.70 99.00 99.00
17 1 1 14 7.91 90.0 3.05 7.20 99.00 99.00
17 1 1 15 7.91 93.0 4.12 7.20 99.00 99.00
17 1 1 16 7.91 101.0 4.37 7.80 99.00 99.00
17 1 1 17 7.91 99.0 4.73 7.20 99.00 99.00
17 1 1 18 7.91 113.0 3.49 7.20 99.00 99.00
17 1 1 19 7.91 101.0 2.95 6.70 99.00 99.00
17 1 1 20 7.91 110.0 2.52 6.70 99.00 99.00
17 1 1 21 7.91 105.0 3.52 6.70 99.00 99.00
17 1 1 22 7.91 109.0 4.46 6.70 99.00 99.00
17 1 1 23 7.91 117.0 4.12 6.70 99.00 99.00
17 1 1 24 7.91 118.0 4.53 6.70 99.00 99.00
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